## Supplementary Material for:

# Immune-inflammatory proteome of elite ice hockey players before and after SARS-CoV-2 infection

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#### **Material and Methods**

#### Patient samples

Serum samples of 24 ice hockey players were obtained at two time points: 1) in late September 2021, just after the start of the National League's (top Swiss ice hockey league) competitive season, and in late January/early February 2022, after the players had contracted SARS-CoV-2 in the last week of December 2021. Non-hospitalized sex-matched non-ice hockey player control subjects who got infected during the same time were recruited by Davos hospital, and serum samples were obtained 1-2 weeks after SARS-CoV-2 infection. Blood samples were centrifuged at 1300 g for 10 minutes at room temperature, the supernatant (serum) was transferred into tubes, which were frozen and stored at -80 °C.

#### Serum targeted proteomics

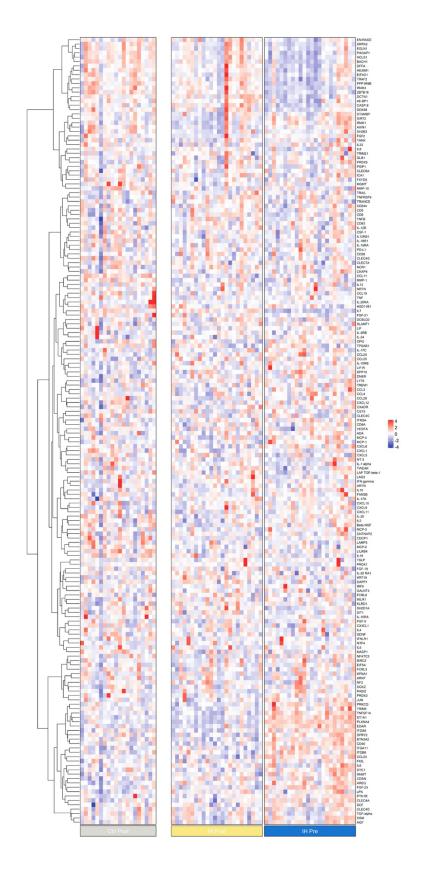
Serum samples were analyzed using the OLINK (OLINK Bioscience, Uppsala, Sweden) panels immune response and inflammation. Each panel is capable of measuring 92 protein biomarkers, and 4 proteins overlapped in the two panels. Proximity extension assay (PEA) technology was used according to OLINK's instructions. Protein levels are expressed as Normalized Protein eXpression (NPX) .

### Statistical analyses

NPX data from the immune response and inflammation OLINK panels were imported and processed with the "OlinkAnalyze" R package from OLINK-Proteomics. Statistical analysis and graphical designs were performed, respectively, using the "stats" and "ggplot2" R packages. The Welch 2-sample t-test (confidence level 0.95) was used to compare pre- and post-COVID-19 ice hockey player samples, as well as post-COVID-19 samples of control individuals and ice hockey players. For multiple testing correction, the Benjamini-Hochberg method was used, and an adjusted p-value <0.05 was set as cut-off for statistically significant proteins. For different functional categories, the ratio of significantly changing proteins over all the proteins present in the list of 180 measured proteins assigned to the respective functional category was calculated from the MetaCore™ software results.

	Post-COVID-19 Ice Hockey Players (n=24)	Post-COVID-19 Controls (n=20)					
Leukocytes (G/I)	6.0 +- 1.0	6.5 +- 1.5					
Erythrocytes (T/I)	5.4 +- 0.3	5.4 +- 0.3					
Platelets (G/I)	232.0 +- 38.6	290.0 +- 44.2					
Hct (I/I)	0.46 +- 0.02	0.46 +- 0.02					
Hb (g/l)	159.3 +- 7.0	159.7 +- 8.9					
MCV (fl)	85.6 +- 2.3	85.7 +- 3.5					
MCH (pg)	29.5 +- 1.0	29.6 +- 1.3					
MCHC (g/l)	344.1 +- 8.2	345.8 +- 7.9					
CRP (mg/l)	0.8 +- 1.0	1.2 +- 1.0					
AST (U/I)	28.2 +- 3.7	28.6 +- 10.5					
ALT (U/I)	27.4 +- 10.0	38.0 +- 28.7					
Troponin I hs (ng/I)	4.3 +- 9.6	2.7 +- 3.7					
NT-proBNP (ng/I)	28.5 +- 15.6	49.0 +- 70.2					
Creatinine (umol/l)	93.3 +- 9.5	81.2 +- 8.6					
GFR (ml/min)	98.4 +- 11.9	109.7 +- 10.8					
Sodium (mmol/l)	140.7 +- 1.3	141.7 +- 1.6					
Potassium (mmol/l)	3.9 +- 0.2	3.9 +- 0.2					

**Table S1: Clinical laboratory serum analyses.** The clinical laboratory parameters in general show similar levels in both groups, and are within the normal range. Values are depicted as mean +- standard deviation. Abbreviations: ALT, alanine transaminase; AST, aspartate transaminase; CRP, C-reactive protein; GFR, glomerular filtration rate; Hb, hemoglobin; Hct, hematocrit; hs, high sensitive; MCV, mean corpuscular volume; MCH, mean corpuscular hemoglobin; MCHC, mean corpuscular hemoglobin concentration; NT-proBNP, N-terminal pro b-type natriuretic peptide.



**Figure S1: Heatmap of all measured proteins.** Heatmap showing all unique proteins (n=180) measured in the OLINK multiplex assay (immune response and inflammation panels) among ice hockey players pre- and post-COVID-19, as well as the post-COVID-19 control group.

Assay	OlinkID	UniProt	Panel	estimate Por		Pre	statistic	p.value				method	alternative	Adjusted pval Threshold
PLXNA4 IL7 ST1A1	OID00982 OID00478 OID00557	Q9HCM2 P13232 P50225	Olink Target 96 Immune Response Olink Target 96 Inflammation Olink Target 96 Inflammation	1.034400417 5.	306974583 393310417 2.91545875	6.607593333 4.35891 5.163810417	-11.8929491 8.572088496 -7.87636795	2.22376E-13 4.31513E-11 5.70818E-10	32.49563675 45.98502373 44.40737426	-2.69441556 0.791500644 -2.82350018	1.277300189	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	4.00276E-11 Significant 3.88362E-09 Significant 3.42491E-08 Significant
TNFSF14 EDAR CD40	OID00506 OID00946 OID00542	O43557 Q9UNE0 P25942	Olink Target 96 Inflammation Olink Target 96 Immune Response Olink Target 96 Inflammation	-1.37329125 2	161135833 2.81881625 1.49841375	7.56859625 4.1921075 11.92950042	-7.26628623 -6.34819587 -5.59936835	3.64211E-09 9.75455E-08 1.16723E-06	45.98997644 44.68270894 45.74596809	-1.79735526 -1.80908322 -0.5860796	-0.93749928	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	1.63895E-07 Significant 3.51164E-06 Significant 3.45889E-05 Significant
PRKCQ FGF-23	OID00989 OID00507	Q04759 Q9GZV9	Olink Target 96 Immune Response Olink Target 96 Inflammation	-0.99488292 0.1 -0.375275 0.1	916384583 893902083	1.9112675 1.269177083	-5.68480758 -5.27024375	1.34512E-06 3.58573E-06	39.6693461 45.7040193	-1.34867776 -0.51863107	-0.64108808 -0.23191893	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	3.45889E-05 Significant 8.0679E-05 Significant
CCL23 ZBTB16 BTN3A2	OID00530 OID00939 OID01027	P55773 Q05516 P78410	Olink Target 96 Inflammation Olink Target 96 Immune Response Olink Target 96 Immune Response	0.594780417 1		11.24655625 1.184348333 3.84165375	-5.07266411 4.884782686 -4.76532567	7.99824E-06 1.91689E-05 2.03507E-05	42.94618767 37.85618881 44.58229145	-0.74058032 0.348255584 -0.4136388	0.841305249	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.000159965 Significant 0.000333011 Significant 0.000333011 Significant
SPRY2 ITGA6	OID00998 OID00959	O43597 P23229	Olink Target 96 Immune Response Olink Target 96 Immune Response	-0.46286375 1.9 -0.33650125	953151667 2.188615	2.416015417 2.52511625	-4.64053334 -4.31543654 -4.31079497	2.92555E-05 8.37652E-05	45.80311313 45.97896884	-0.6636606 -0.49346109	-0.2620669 -0.17954141	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.000438832 Significant 0.00107765 Significant
ITGA11 IRAK4 STC1	OID01021 OID00940 OID00999	Q9UKX5 Q9NWZ3 P52823	Olink Target 96 Immune Response Olink Target 96 Immune Response Olink Target 96 Immune Response	0.5818025 -0.41214708 6.	2.22260625 1.6730825 197499583	2.63871375 1.09128 6.609646667	4.410435337 -4.23304269	8.71518E-05 8.98041E-05 0.000109214	45.13534831 35.93716073 45.93819695	-0.61050648 0.314250271 -0.6081383	0.849354729 -0.21615587	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.00107765 Significant 0.00107765 Significant 0.001228658 Significant
CASP-8 IRAK1 DCTN1	OID00550 OID00950	Q14790 P51617	Olink Target 96 Inflammation Olink Target 96 Immune Response	-0.37317917 1.3	125316667 821595417 381917917	2.670770833 2.194774583	4.117527613 -4.03165867 3.978070142	0.000163759	44.47100177 45.46141904 45.78892266	0.232130087	-0.18680155	Welch Two Samp Welch Two Samp	le t-test two.sided	0.001733914 Significant 0.002090119 Significant
PPP1R9B PIK3AP1	OID00958 OID00936 OID00997	Q14203 Q96SB3 Q6ZUJ8	Olink Target 96 Immune Response Olink Target 96 Immune Response Olink Target 96 Immune Response	0.487370417	2.54917	3.68271625 2.061799583 3.133890417	3.814823526 3.796149685	0.000245223 0.000410002 0.00044283	45.3407781 44.36073405	0.345362994 0.230107974 0.373122698	0.744632859	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.00232317 Significant 0.003690021 Significant 0.003795687 Significant
CXCL12 BACH1 TRIM5	OID01008 OID00996 OID00957	P48061 O14867 O9C035	Olink Target 96 Immune Response Olink Target 96 Immune Response Olink Target 96 Immune Response	0.47199625 2.4	156917917 478041667 648635833	1.366869167 2.006045417 2.1128675	-3.42347154 3.381962396 -3.37800641	0.001399089 0.001495631 0.001766965	41.66708734 45.12014302 35.96432554	-0.33374346 0.190922934 -0.74295757	0.753069566	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.011447088 Significant 0.011704936 Significant 0.013252238 Significant
CLEC4A HCLS1	OID00951 OID00942	Q9UMR7 P14317	Olink Target 96 Immune Response Olink Target 96 Immune Response	-0.31757583 0.652477917 4.5	3.7438725 800670833	4.061448333 4.148192917	-3.25579622 3.171271595	0.002130355 0.002731353	45.81609328 45.028298	-0.51393832 0.238090454	-0.12121334 1.066865379	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.015338557 Significant 0.018909366 Significant
TRAF2 SIRT2 OPG	OID00963 OID00538 OID00479	Q12933 Q8IXI6 Q00300	Olink Target 96 Immune Response Olink Target 96 Inflammation Olink Target 96 Inflammation		2.778555 978692083 0.26249375	2.4009475 4.551704583 10.47339125	2.948527338 -2.80717965 -2.64396487	0.005003452 0.007320013 0.01118225	45.99988945 45.7515664 45.81003338	0.119823041 -0.98395285 -0.37147534	-0.16207215	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.033356348 Significant 0.047057227 Significant 0.069407066 Non-significant
SH2D1A PTH1R	OID01002 OID00978	O60880 Q03431	Olink Target 96 Immune Response Olink Target 96 Immune Response	0.24320125 1.1 -0.20773542 4	873499167 4.27348125	1.630297917 4.481216667	2.582505167 -2.51517201	0.013466355 0.015454988	41.11046956 45.99533163	0.053031326 -0.37398681	0.433371174 -0.04148402	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.080798128 Non-significant 0.088542033 Non-significant
HNMT IL2 OSM	OID00969 OID00495 OID00494	P50135 P60568 P13725	Olink Target 96 Immune Response Olink Target 96 Inflammation Olink Target 96 Inflammation	-0.14099917 1.	750797917 257772917 232017917	9.116605833 1.398772083 6.84930375	-2.49939607 -2.49077188 -2.4744223	0.016156371 0.01660324 0.017104909	44.99617439 43.88768725 45.87257135	-0.66058981 -0.2550946 -1.11947379	-0.02690374	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.088542033 Non-significant 0.088542033 Non-significant 0.088542033 Non-significant
DDX58 SIT1	OID01018 OID01013	O95786 Q9Y3P8	Olink Target 96 Immune Response Olink Target 96 Immune Response	0.4135825 2.1 0.1781475 1	588365417 1.77152125	2.174782917 1.59337375	2.506625921 2.412828432	0.017216506 0.020223729	33.4773643 42.45199413	0.07807797 0.029192508	0.74908703 0.327102492	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.088542033 Non-significant 0.101118645 Non-significant
SRPK2 4E-BP1 HGF	OID00994 OID00536 OID00522	P78362 Q13541 P14210	Olink Target 96 Immune Response Olink Target 96 Inflammation Olink Target 96 Inflammation	0.660619167 8	433297917 8.59147125 0.06543958	1.081554167 7.930852083 10.32308458	2.401383495 2.3857641 -2.35489672	0.020935842 0.02161139 0.022899572	41.13116409 42.16045137 45.49669367	0.055959205 0.101874422 -0.47793804	1.219363911	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.101850043 Non-significant 0.102369744 Non-significant 0.105690332 Non-significant
NFATC3 HEXIM1 CXCL6	OID00973 OID00987 OID00534	Q12968 O94992 P80162	Olink Target 96 Immune Response Olink Target 96 Immune Response Olink Target 96 Inflammation	0.283700417 3.3	988688333 878864167 0.15365375	1.254390417 3.59516375 10.46950917	-2.30960982 2.308139233 -2.30202422	0.025554746 0.025585463 0.025911502	44.9974124 45.55109757 45.99728352	-0.49740889 0.03622348 -0.5920406	0.531177353	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.108826739 Non-significant 0.108826739 Non-significant 0.108826739 Non-significant
IL-20 DFFA	OID00537 OID01004	Q9NYY1 Q00273	Olink Target 96 Inflammation Olink Target 96 Immune Response	-0.095165 1. 0.281953333 4.	518134167 486232917	1.613299167 4.204279583	-2.30638738 2.279163471	0.025997499 0.027345996	42.78930046 45.98606213	-0.17838859 0.03293773	-0.01194141 0.530968936	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.108826739 Non-significant 0.110494381 Non-significant
MCP-4 MCP-3	OID00967 OID00504 OID00474	P08727 Q99616 P80098	Olink Target 96 Immune Response Olink Target 96 Inflammation Olink Target 96 Inflammation		793315833 4.26270958 2.062945	3.31316125 14.62874292 2.359921667	2.275577994 -2.26505151 -2.22406824	0.027623595 0.028318795 0.031939551	45.54731646 45.49037117 39.42101758	0.055312923 -0.69141653 -0.56697151	-0.04065014	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.110494381 Non-significant 0.110812676 Non-significant 0.122321686 Non-significant
TRANCE TNFB	OID00521 OID00561	O14788 P01374	Olink Target 96 Inflammation Olink Target 96 Inflammation	0.344265833 6.0 0.216212917 5.0	093497083 840262917	5.74923125 5.62405	2.195294331 2.18117607	0.033663045 0.034499272	42.42969557 44.47618292	0.027885392 0.016496453	0.660646275 0.41592938	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.125437517 Non-significant 0.125437517 Non-significant
CCL3 MCP-1 EN-RAGE	OID00532 OID00484 OID00541	P10147 P13500 P80511	Olink Target 96 Inflammation Olink Target 96 Inflammation Olink Target 96 Inflammation	-0.29550292 13	144216667 3.31048792 5.13738125	7.493917917 13.60599083 5.689245	-2.17868405 -2.15658271 2.115934931	0.034843755 0.036348314 0.040284019	43.30031545 45.58682719 42.25473262	-0.67333623 -0.57138477 0.020800769	-0.01962106	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.125437517 Non-significant 0.128288168 Non-significant 0.139444682 Non-significant
AREG TNF	OID01009 OID05548	P15514 P01375	Olink Target 96 Immune Response Olink Target 96 Inflammation	-0.15940375 3 -0.19747125 4.5	3.33916125 576862917	3.498565 4.774334167	-2.07033845 -2.00476679	0.044143929 0.05109926	45.34006522 44.46959383	-0.31444564 -0.39592749	-0.00436186 0.000984994	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.149922776 Non-significant 0.168825974 Non-significant
AXIN1 LAG3 IL33	OID00487 OID01023 OID00543	O15169 P18627 O95760	Olink Target 96 Inflammation Olink Target 96 Immune Response Olink Target 96 Inflammation	0.195656667	185787917 2.82829 1.42512625	3.51004375 2.632633333 1.546349583	-2.00735509 1.893296977 -1.86142314	0.051585714 0.065230483 0.069114213	39.51455724 41.94576518 45.76596144	-0.65085294 -0.01290346 -0.25232925	0.404216797	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.168825974 Non-significant 0.209669411 Non-significant 0.216404197 Non-significant
ITGB6 DAPP1 IL18	OID01026 OID01011 OID00501	P18564 Q9UN19 Q14116	Olink Target 96 Immune Response Olink Target 96 Immune Response Olink Target 96 Inflammation	0.193867083 1.5	657055833 552628333 9.66993125	3.80055125 1.35876125 9.473085417	-1.85729394 1.843178395 1.781608504	0.069730241 0.071756503 0.082529934	45.63085664 45.9654248 39.36208748	-0.29904665 -0.0178553 -0.02657093	0.405589465	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.216404197 Non-significant 0.218918144 Non-significant 0.247589801 Non-significant
PRDX3 CCL11	OID00501 OID00953 OID00505	Q14116 P30048 P51671	Olink Target 96 Inflammation Olink Target 96 Immune Response Olink Target 96 Inflammation	-0.12815125 -0	9.66993125 0.17656083 8.52486125	9.473085417 -0.04840958 8.65323	-1.781608504 -1.72657861 -1.69665512	0.082529934 0.091309062 0.096522477	39.36208748 43.68984202 45.98170323	-0.27776718 -0.28066586	0.021464683 0.023928357	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.269436576 Non-significant 0.280226546 Non-significant
SCF ADA PSIP1	OID00500 OID00560 OID00938	P21583 P00813 O75475	Olink Target 96 Inflammation Olink Target 96 Inflammation	-0.121395 6.	10.002915 376106667 349967917	10.171275 6.497501667 3.04321875	-1.67421986 -1.63959875 1.637590269	0.100923953 0.108569919 0.108894779	45.66684011 41.93649166 42.48006906	-0.37081718 -0.27081938 -0.07114615	0.028029376	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.288354153 Non-significant 0.301554774 Non-significant 0.301554774 Non-significant
IL-17C Beta-NGF	OID00483 OID00519	Q9P0M4 P01138	Olink Target 96 Immune Response Olink Target 96 Inflammation Olink Target 96 Inflammation	-0.27133083 -0.03613583 0	3.9332775 0.09941375	4.204608333 0.135549583	-1.60436112 -1.5691155	0.115564491 0.123477386	45.43211705 45.98432516	-0.61186821 -0.0824921	0.069206542 0.010220428	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.315175885 Non-significant 0.331730291 Non-significant
CD5 CCL4 TNFRSF9	OID00531 OID00498 OID00553	P06127 P13236 Q07011	Olink Target 96 Inflammation Olink Target 96 Inflammation Olink Target 96 Inflammation	-0.26930542 7.		6.635460417 8.065278333 6.749520833	1.539925769 -1.52685628 1.493137405	0.130543947 0.133739311 0.142231605	45.24394328 45.36613935 45.98248215	-0.03433716 -0.62447188 -0.05578145	0.085861051	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.345557506 Non-significant 0.34888516 Non-significant 0.364246894 Non-significant
IL10 Flt3L	OID00528 OID00533	P22301 P49771	Olink Target 96 Inflammation Olink Target 96 Inflammation	-0.203665 4.	170149167 497206667	4.373814167 9.62509625	-1.48958569 -1.47867081	0.143675164 0.146113855	42.7460747 45.53033301	-0.47944651 -0.30203251	0.072116507 0.046253341	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.364246894 Non-significant 0.365284637 Non-significant
LAP TGF-betz IFN-gamma CXCL11	OID00480 OID05547 OID00486	P01137 P01579 O14625	Olink Target 96 Inflammation Olink Target 96 Inflammation Olink Target 96 Inflammation	0.293322083 7.	809425417 106850833 444459167	8.69699 6.81352875 8.6296225	1.464615938 1.424735937 -1.41192584	0.150163654 0.161374151 0.165206924	43.82116506 43.46803484 42.76658083	-0.04229785 -0.12174165 -0.44967893	0.708385818	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.370266543 Non-significant 0.392531719 Non-significant 0.396496617 Non-significant
FGF-21 TWEAK	OID00512 OID00555	Q9NSA1 O43508	Olink Target 96 Inflammation Olink Target 96 Inflammation	0.557285833 4. 0.096302083	391990833 9.8203475	3.834705 9.724045417	1.398063063 1.37011181	0.169800054 0.177645278	39.99390238 43.73187995	-0.24834451 -0.04537811	1.362916182 0.23798228	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.402158023 Non-significant 0.415134248 Non-significant
FGF2 PADI2 TREM1	OID00954 OID01012 OID00991	P09038 Q9Y2J8 Q9NP99	Olink Target 96 Immune Response Olink Target 96 Immune Response Olink Target 96 Immune Response	-0.11878083 1.0		0.992284167 1.169366667 1.985924583	-1.37099722 -1.35385339 -1.32980535	0.179891507 0.182401649 0.190171426	32.0806269 45.97301183 45.77292683	-0.68541761 -0.29538578 -0.44656975	0.057824113	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.415134248 Non-significant 0.415598694 Non-significant 0.427885709 Non-significant
DPP10 FGF-5	OID00956 OID00509	Q8N608 P12034	Olink Target 96 Immune Response Olink Target 96 Inflammation	-0.11412833 1 -0.08671625 2.:	482587083 286494583	1.596715417 2.373210833	-1.30818343 -1.30323387	0.197353562 0.199002467	45.69576582 45.84450138	-0.28976861 -0.22066514	0.061511945 0.047232645	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.435352767 Non-significant 0.435352767 Non-significant
CXCL5 KLRD1 DGKZ	OID00520 OID00995 OID00948	P42830 Q13241 Q13574	Olink Target 96 Inflammation Olink Target 96 Immune Response Olink Target 96 Immune Response	0.160119167	1.92020375 6.8874575 040703333	11.66331 6.727338333 0.117722083	1.295906138 1.291408637 -1.28112864	0.201530704 0.203164625 0.206598671	45.58816372 44.94289427 45.79167774	-0.14222959 -0.08961423 -0.19804464	0.409852564	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.435352767 Non-significant 0.435352767 Non-significant 0.437503068 Non-significant
CXCL1 PRDX1	OID00496 OID00952	P09341 Q06830	Olink Target 96 Inflammation Olink Target 96 Immune Response	-0.13527417 10 0.389593333 2	0.36276417 2.56590625	10.49803833 2.176312917	-1.26401304 1.26241734	0.213077089 0.213247643	42.73223794 45.38122986	-0.35113887 -0.23183298	0.080590536 1.011019648	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.440877492 Non-significant 0.440877492 Non-significant
JUN ITM2A	OID00476 OID00986 OID00968	Q9H5V8 P05412 Q43736	Olink Target 96 Inflammation Olink Target 96 Immune Response Olink Target 96 Immune Response	-0.17934708 1	388019167 1.42978375 128226667	2.46657125 1.609130833 3.259814167	-1.25603104 -1.19580215 -1.1693737	0.215540107 0.238096131 0.248277952	45.32880102 44.57726524 45.99200047	-0.20448874 -0.48150253 -0.35809605	0.122808368	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.440877492 Non-significant 0.481542736 Non-significant 0.496555905 Non-significant
CD6 FAM3B TGF-alpha	OID00499 OID01001	P30203 P58499 P01135	Olink Target 96 Inflammation Olink Target 96 Immune Response	0.134824167 -0.17424083 4. 0.219718333	729968333	6.200515833 4.904209167 4.735351667	1.146500859 -1.10741436 1.088916942	0.257518839 0.273879066 0.282043512	45.98502 45.94417496 44.57005801	-0.10188683 -0.49096068 -0.18678953	0.142479015	Welch Two Samp Welch Two Samp	le t-test two.sided	0.509377923 Non-significant 0.535850346 Non-significant
TGF-alpha LAMP3 NT-3	OID00503 OID01015 OID00554	P01135 Q9UQV4 P20783	Olink Target 96 Inflammation Olink Target 96 Immune Response Olink Target 96 Inflammation	0.114663333 4.1 -0.07411167	872449167 3.0687825	4.735351667 4.757785833 3.142894167	1.076101085 -1.05148131	0.282043512 0.287697137 0.298823291	44.57005801 44.38166036 43.65589755	-0.18678953 -0.10003085 -0.21619266	0.329357521 0.067969327	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.545890668 Non-significant 0.550909412 Non-significant 0.55568854 Non-significant
IL-1 alpha IRF9 DCBLD2	OID00493 OID00945 OID01005	P01583 Q00978 Q96PD2	Olink Target 96 Inflammation Olink Target 96 Immune Response Olink Target 96 Immune Response	-0.2654625 2.:	0.68905375 221456667 869560417	-0.78040875 2.486919167 7.796747917	1.053127262 -1.05276717 1.042700482	0.298882322 0.300798031 0.302541538	38.29593997 30.20196808 45.95434174	-0.08420935 -0.78029121 -0.06775317	0.249366212	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.55568854 Non-significant 0.55568854 Non-significant 0.55568854 Non-significant
NCR1 NF2	OID01007 OID00981	O76036 P35240	Olink Target 96 Immune Response Olink Target 96 Immune Response	0.10254875 3.1 0.184613333 -0	531588333 0.63177792	3.429039583 -0.81639125	1.026064583 1.019896099	0.310243288 0.313154334	45.85765599 45.6352579	-0.09864445 -0.17982333	0.303741953 0.549049998	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.558605951 Non-significant 0.558605951 Non-significant
BIRC2 LIF-R IL-10RB	OID00979 OID00511 OID00515	Q13490 P42702 Q08334	Olink Target 96 Immune Response Olink Target 96 Inflammation Olink Target 96 Inflammation		831131667 263577917 7.66147	0.93486 4.353669583 7.730414167	-1.01855705 -1.01701666 -1.00091802	0.313742142 0.316543372 0.322128011	45.98716855 33.00401514 45.77810123	-0.30872017 -0.27031686 -0.20761243	0.09013353	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.558605951 Non-significant 0.558605951 Non-significant 0.559717606 Non-significant
CD28 CCL20	OID00977 OID00556	P10747 P78556	Olink Target 96 Immune Response Olink Target 96 Inflammation	0.096864583 2. -0.22956667 7.	143826667 229075833	2.046962083 7.4586425	0.997077625 -0.99081108	0.324170218 0.32696326	44.07026023 45.98218146	-0.09891651 -0.6959508	0.292645679 0.236817466	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.559717606 Non-significant 0.559717606 Non-significant
EGLN1 LILRB4 IL-12B	OID00972 OID00965 OID00523	Q9GZT9 Q8NHJ6 P29460	Olink Target 96 Immune Response Olink Target 96 Immune Response Olink Target 96 Inflammation	-0.06613708 2.5	1.74258375 809401667 626390833	1.628745833 2.87553875 7.4794325	0.985685513 -0.96211933 0.955754848	0.329611479 0.341101086 0.344340199	44.54380371 45.26802556 44.66940077	-0.1188389 -0.20456602 -0.16279657	0.072291857	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.559717606 Non-significant 0.573814911 Non-significant 0.573900331 Non-significant
CSF-1 IL8 CLEC4D	OID00562 OID00471	P09603 P10145 OSWXIS	Olink Target 96 Inflammation Olink Target 96 Inflammation	0.188801667 6.0	061632917	10.33302958 5.87283125 4.575037083	0.931363928	0.350576516 0.35892813 0.386259949	42.69825892 30.71739865	-0.12370077 -0.22479302	0.044839941 0.602396356	Welch Two Samp Welch Two Samp	le t-test two.sided	0.578933696 Non-significant 0.587336939 Non-significant
CLEC4D LIF EIF4G1	OID00988 OID00547 OID00976	Q8WXI8 P15018 Q04637	Olink Target 96 Immune Response Olink Target 96 Inflammation Olink Target 96 Immune Response	-0.04495833 0		4.575037083 0.603144583 3.409072917		0.386259949 0.388883457 0.402569571	44.98318194 44.56802421 43.72163711	-0.14905006 -0.19072749	0.059133397 0.466194987	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.624991271 Non-significant 0.624991271 Non-significant 0.641261263 Non-significant
CCL19 CD83 IL-22 RA1	OID00513 OID01025 OID00516	Q99731 Q01151 Q8N6P7	Olink Target 96 Inflammation Olink Target 96 Immune Response Olink Target 96 Inflammation	0.052195833 2.0	125910833 673109167 194957917	9.01495875 2.620913333 2.089338333	0.808661755 0.786734568 0.75595175	0.423050176 0.435518497 0.453631752	44.10817849 45.47188223 44.83529806	-0.08139141	0.185783076	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.667973962 Non-significant 0.681681126 Non-significant 0.703911339 Non-significant
MASP1 FXYDS	OID01014 OID00962	P48740 Q96DB9	Olink Target 96 Immune Response Olink Target 96 Immune Response	0.054720833 1.1 -0.06126792	997730833 0.715695	1.94301 0.776962917	0.738169992 -0.71244233	0.46450389 0.479795451	42.12478317 45.91983893	-0.09486723 -0.23437909	0.2043089 0.111843259	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.71462137 Non-significant 0.731891366 Non-significant
IL-20RA IL-17A IL-24	OID00489 OID00485 OID00524	Q9UHF4 Q16552 Q13007	Olink Target 96 Inflammation Olink Target 96 Inflammation Olink Target 96 Inflammation	0.08752 3	3.31430875	2.105039583 3.22678875 2.323442917	0.694894715 0.682326695 -0.67419703	0.490901525 0.498537857 0.504092934	42.51833762 44.89645432 39.7018545		0.345879451	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.742540121 Non-significant 0.747806786 Non-significant 0.749890315 Non-significant
CCL25 CX3CL1	OID00551 OID00552	O15444 P78423	Olink Target 96 Inflammation Olink Target 96 Inflammation	0.0874575 7.0 0.047385833 4.0	636075417 909672083	7.548617917 4.86228625	0.656546725 0.640284626	0.514870628 0.525285617	44.27380521 44.30076283	-0.18095939 -0.10173779	0.355874386 0.196509456	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.759645188 Non-significant 0.768710659 Non-significant
CDSN SH2B3 CST5	OID00960 OID00983 OID00491	Q15517 Q9UQQ2 P28325	Olink Target 96 Immune Response Olink Target 96 Immune Response Olink Target 96 Inflammation	-0.10252667 2.4	4.41069125 455297083 746868333	4.491780833 2.55782375 5.828731667	-0.62116404	0.531453626 0.537720707 0.543708557	45.97371873 43.67010849 45.87736921	-0.33995261 -0.43524557 -0.35123525	0.230192234	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.771464941 Non-significant 0.774317819 Non-significant 0.77672651 Non-significant
CLECGA ARTN IL-10RA	OID01017 OID00526 OID00508	Q6EIG7 Q5T4W7 Q13651	Olink Target 96 Immune Response Olink Target 96 Inflammation Olink Target 96 Inflammation	-0.05009125	3.1919975 1.052575 010830417	3.262650833 1.10266625 2.06322125	-0.5663018	0.569443029 0.573951825 0.575337534	44.77746519 45.82396236 45.9984087	-0.31899091 -0.22815692 -0.23929523	0.12797442	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.802796559 Non-significant 0.802796559 Non-significant 0.802796559 Non-significant
PD-L1 CNTNAP2	OID00518 OID00943	Q9NZQ7 Q9UHC6	Olink Target 96 Inflammation Olink Target 96 Immune Response	0.042590833 6.: -0.03914292	279183333 1.89143	6.2365925 1.930572917	0.542209838 -0.5370243	0.59045176 0.593935816	43.33053421 44.33619776	-0.11578633 -0.18600866	0.200967999 0.107722827	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.81284605 Non-significant 0.81284605 Non-significant
MGMT IL6 IL13	OID00990 OID00482 OID00525	P16455 P05231 P35225	Olink Target 96 Immune Response Olink Target 96 Inflammation Olink Target 96 Inflammation	-0.07619542 3	3.19955125	3.754872083 3.275746667 1.063880833	0.533764819 -0.49715536 -0.49328171	0.596087103 0.62183308 0.624236537	45.7713065 39.53607066 44.54941077		0.233673498	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.81284605 Non-significant 0.837832257 Non-significant 0.837832257 Non-significant
FGF-19 FCRL3	OID00545 OID00984	O95750 Q96P31	Olink Target 96 Inflammation Olink Target 96 Immune Response	0.126991667 9. -0.03400083 1.	122889167 674369583	8.9958975 1.708370417	0.485078276 -0.46980064	0.629954324 0.640717096	45.38072052 45.99876331	-0.40017095 -0.17968002	0.654154284 0.111678357	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.837832257 Non-significant 0.837832257 Non-significant
SLAMF1 EIF5A STAMBP	OID00502 OID00975 OID00558	Q13291 P63241 O95630	Olink Target 96 Inflammation Olink Target 96 Immune Response Olink Target 96 Inflammation	-0.08944625 0.5		3.1633 0.662913333 5.195596667	0.467221965 -0.45909283 -0.45675057	0.642549294 0.648365374 0.650102546	45.94764851 45.24906857 43.89682556	-0.1162652 -0.48179964 -0.40025533	0.302907145	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.837832257 Non-significant 0.837832257 Non-significant 0.837832257 Non-significant
uPA IL-2RB	OID00481 OID00492	P00749 P14784	Olink Target 96 Inflammation Olink Target 96 Inflammation	-0.03084542 10 -0.03096833 1.	761252083	10.63848917 1.792220417	-0.45019502 -0.44638954	0.65492575 0.657546469	41.2727291 43.18193345	-0.16918787 -0.17085958	0.107497039 0.108922909	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.837832257 Non-significant 0.837832257 Non-significant
TPSAB1 FCRL6 NRTN	OID00941 OID01006 OID00548	Q15661 Q6DN72 Q99748	Olink Target 96 Immune Response Olink Target 96 Immune Response Olink Target 96 Inflammation	0.068445417 3	113609583 3.57895875 1.42190625	6.19327625 3.510513333 1.46229375		0.660956558 0.671034946 0.672909013	45.98148928 45.91664968 45.38319432	-0.25386994	0.390760776	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.837832257 Non-significant 0.840286999 Non-significant 0.840286999 Non-significant
TRIM21 VEGFA GALNT3	OID00964 OID00472 OID00961	P19474 P15692 Q14435	Olink Target 96 Immune Response Olink Target 96 Inflammation Olink Target 96 Immune Response	0.071422917 12	018780417 2.19298125 657969583	1.972697083 12.12155833 2.70168	0.405913678	0.676897861 0.686729054 0.710916204	44.00463118 45.01701074 43.6655743	-0.17531463 -0.28296681 -0.279903	0.425812645	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.840286999 Non-significant 0.846652258 Non-significant 0.868739391 Non-significant
CLEC7A DNER	OID01016 OID01213	Q9BXN2 Q8NFT8	Olink Target 96 Immune Response Olink Target 96 Immune Response Olink Target 96 Inflammation	0.038546667 0.015662083	3.5190825 9.378895	3.480535833 9.363232917	0.359279159 0.358154233	0.72103124 0.721869205	45.97354509 45.91757489	-0.279903 -0.17741805 -0.0723661	0.25451138 0.103690265	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.868739391 Non-significant 0.868739391 Non-significant
TANK CXCL10 ARNT	OID01020 OID00535 OID01000	Q92844 P02778 P27540	Olink Target 96 Immune Response Olink Target 96 Inflammation Olink Target 96 Immune Response	-0.05221542 1 -0.04373792 9.5	400029583 874010417 688762917	1.452245 9.917748333 1.7696475	-0.34217996 -0.32604178	0.733780145 0.745896164 0.746439564	45.81833686 45.24042261 45.69192558	-0.35940882 -0.31388662 -0.58147557	0.254977991 0.226410792	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.868739391 Non-significant 0.868739391 Non-significant 0.868739391 Non-significant
CXCL9 TRAIL	OID00490 OID00488	Q07325 P50591	Olink Target 96 Inflammation Olink Target 96 Inflammation	-0.05633542 7.: -0.0208975	337312083 8.3894525	7.3936475 8.41035	-0.32086892 -0.31708874	0.749949161 0.752627224	40.7597459 45.48411115	-0.4109726 -0.15359652	0.298301766 0.11180152	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.868739391 Non-significant 0.868739391 Non-significant
CLEC4C CD244 CCL28	OID00949 OID00477 OID00539	Q8WTT0 Q9BZW8 Q9NRJ3	Olink Target 96 Immune Response Olink Target 96 Inflammation Olink Target 96 Inflammation	0.025247917 7.0	4.67238625 011404167 598612917	4.625250833 6.98615625 2.629789167	0.311995636	0.753470659 0.756478621 0.757733802	44.23811095 45.19801682 45.32127462		0.188217396	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.868739391 Non-significant 0.868739391 Non-significant 0.868739391 Non-significant
IL4 HSD11B1	OID00546 OID00980	P05112 P28845	Olink Target 96 Inflammation Olink Target 96 Immune Response	0.053366667 1.: -0.02291375 3	863482083 3.35389875	1.810115417 3.3768125	0.248922846 -0.24088451	0.804608118 0.810715748	42.9088439 45.97074872	-0.37901933 -0.21439048	0.485752663 0.16856298	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.91664216 Non-significant 0.917791413 Non-significant
MILR1 CXADR IFNLR1	OID00971 OID00992 OID01010	Q7Z6M3 P78310 Q8IU57	Olink Target 96 Immune Response Olink Target 96 Immune Response Olink Target 96 Immune Response	-0.02176333 3 0.017137083 2.	768911667	3.719299583 2.751774583 3.185347917		0.844188159 0.847386118 0.848848091	45.99987435 41.95347465 44.89570555	-0.24340194 -0.16146112 -0.21546191	0.195735282	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided	0.930623483 Non-significant 0.930623483 Non-significant 0.930623483 Non-significant
ICA1 IL12RB1	OID01003 OID01019	Q05084 P42701	Olink Target 96 Immune Response Olink Target 96 Immune Response	0.020883333 -0.01326542 1.3	1.0538075 802777917	1.032924167 1.816043333	0.190189213 -0.18773652	0.84999858 0.851910035	45.95162679 45.93630453	-0.20014479 -0.15550145	0.241911452 0.128970619	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.930623483 Non-significant 0.930623483 Non-significant
GLB1 CD8A LY75	OID00937 OID05124 OID00974	P16278 P01732 O60449	Olink Target 96 Immune Response Olink Target 96 Inflammation Olink Target 96 Immune Response	-0.02568542 10 -0.01409458 2.5	0.49871292	1.438110833 10.52439833 2.959489167	-0.17062887	0.855659945 0.865273368 0.866805654	43.78560495 45.42357586 45.32579632	-0.32879809	0.277427257 0.154175407	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.930623483 Non-significant 0.930623483 Non-significant 0.930623483 Non-significant
IL5 MCP-2	OID00559 OID00549	P05113 P80075	Olink Target 96 Inflammation Olink Target 96 Inflammation	-0.04835042 2.0 -0.0335275 10	033411667	2.081762083 10.72518375	-0.16371105 -0.15894028	0.870722112 0.874411716	43.20197451 45.99935925	-0.64387973 -0.45813594	0.5471789 0.391080935	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.930623483 Non-significant 0.930623483 Non-significant
TSLP GDNF CKAP4	OID00497 OID00475 OID00985	Q969D9 P39905 Q07065	Olink Target 96 Inflammation Olink Target 96 Inflammation Olink Target 96 Immune Response	-0.01086792 2.: -0.00877375 5.:	307028333 183992083	1.956840833 2.31789625 5.192765833	-0.12721712 -0.12697811	0.878922179 0.899341429 0.899555001	45.99995843 44.51994109 42.61414836	-0.14815673	0.161244324 0.130609234	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.930623483 Non-significant 0.941394768 Non-significant 0.941394768 Non-significant
CLEC4G MMP-1	OID00944 OID00510 OID00966	Q6UXB4 P03956	Olink Target 96 Immune Response Olink Target 96 Inflammation	0.007655417 3. -0.01953208 14	700410417 4.71991083	3.692755 14.73944292	0.103080333 -0.10162623	0.918359271 0.91950215	44.79928251 45.27123596	-0.14194351 -0.40656929	0.157254347 0.367505125	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.946475738 Non-significant 0.946475738 Non-significant
NTF4 KPNA1 PRDX5	OID01022 OID00955	P34130 P52294 P30044	Olink Target 96 Immune Response Olink Target 96 Immune Response Olink Target 96 Immune Response	-0.04895042 1. -0.01912708		1.61716625 1.1333225 4.815272083		0.921348628 0.926057567 0.930701143		-1.10499115 -0.45946962	1.007090313 0.42121545	Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.946475738 Non-significant 0.946475738 Non-significant 0.946475738 Non-significant
IL-18R1 MMP-10 IL-15RA	OID00517 OID00527 OID00514	Q13478 P09238 Q13261	Olink Target 96 Inflammation Olink Target 96 Inflammation Olink Target 96 Inflammation	0.00288 8.5	543922917 769005833	8.541042917 9.7678925 2.298448333	0.02837065	0.977490849 0.992632458	45.41168234 45.94680346	-0.24027053	0.207287258 0.242497199	Welch Two Samp Welch Two Samp Welch Two Samp	le t-test two.sided le t-test two.sided	0.988473892 Non-significant 0.996097078 Non-significant 0.996097078 Non-significant
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Assav	OlinkID UniPr	nt Panel	estimate	Ctrl	IH	statistic	p.value	parameter	conf.low	conf.high	method	alternative	Adjusted pval	Threshold	threshold	diffexor
CCL11 MMP-1 TNFRSF9	OID00505 P5163 OID00510 P0393 OID00553 Q070	6 Olink Target 96 Inflammation	0.38294375 0.647501667 -0.350164833	8.907805 15.3674125 6.559596	8.52486125 14.71991083 6.909760833	4.830124714 3.634327387 -3.307629482	1.94718E-05 0.0007577 0.001937881	40.85878041 41.73607948 41.90432906	0.222812941 0.287887362 -0.563825114	1.007115971	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided		Significant Non-significant Non-significant	VERO VERO VERO	DOWN DOWN UP
KRT19 CXCL9	OID00553 Q070 OID00967 P0873 OID00490 Q073	7 Olink Target 96 Immune Respons	e -0.679075833 -0.443248583	3.11424 6.8940635	3.793315833 7.337312083	-3.057827413 -2.475191717	0.003889889 0.017628694	41.55946718 40.19971076	-0.563825114 -1.127387929 -0.805119619	-0.230763738	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.17504499 0.301450961	Non-significant Non-significant	VERO VERO	UP UP
PLXNA4 SPRY2	OID00982 Q9HO OID00998 O435	7 Olink Target 96 Immune Respons	e 0.270045333	4.892865 2.223197	4.306974583 1.953151667	2.395827356 2.367488186	0.021136577 0.022977129	41.81547482 38.91179438	0.092311726 0.039312256	1.079469107 0.50077841	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.301450961 0.301450961	Non-significant Non-significant	VERO VERO	DOWN
PRDX5 CCL23 CDCP1	OID00955 P3004 OID00530 P5573 OID00476 Q9H5	3 Olink Target 96 Inflammation	e -0.4646015 0.2311025 0.283916333	4.3315435 10.947755 2.6719355	4.796145 10.7166525 2.388019167	-2.341234268 2.344904109 2.378206332	0.024223511 0.024372832 0.025083507	40.51200967 37.89073935 25.83511341	-0.865511881 0.031569028 0.038445742	0.430635972	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.301450961	Non-significant Non-significant Non-significant	VERO VERO VERO	DOWN DOWN
DNER TRIMS	OID00476 Q9H3 OID01213 Q8NF OID00957 Q9C0	8 Olink Target 96 Inflammation	-0.113551	9.265344 1.869998	9.378895 1.648635833	-2.32284583 2.304870042	0.025454121 0.026272471	39.29654426 41.30314683	-0.212405246 0.027446531	-0.014696754	Welch Two Sample to Welch Two Sample to	test two.sided	0.301450961	Non-significant Non-significant	VERO VERO	UP DOWN
LIF-R LY75	OID00511 P4270 OID00974 O604	9 Olink Target 96 Immune Respons		4.1295415 2.6972085	4.263577917 2.945394583	-2.28886367 -2.29378803	0.027495144 0.028606573	39.64015481 31.58751902	-0.252424563 -0.468693616	-0.027678551	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.301450961	Non-significant Non-significant	VERO VERO	UP
uPA CDSN	OID00481 P0074 OID00960 Q155	7 Olink Target 96 Immune Respons		10.461706 4.0881335	10.60764375	-2.257605821 -2.253844413	0.029905288	37.33151301 38.35027354	-0.276877065 -0.612190975	-0.032924525	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.301450961	Non-significant Non-significant	VERO	UP
MCP-2 KLRD1 LILRB4	OID00549 P8003 OID00995 Q132 OID00965 Q8NE	<ol> <li>Olink Target 96 Immune Respons</li> </ol>		11.1957205 6.5317015 3.0209515	10.69165625 6.8874575 2.809401667	2.243671873 -2.214325583 2.193641006	0.030428229 0.033234219 0.036312956	40.20513132 35.95116439 29.3977837	0.050080771 -0.681607197 0.014428321	-0.029904803	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.301450961	Non-significant Non-significant Non-significant	VERO VERO VERO	DOWN UP DOWN
AXIN1 MGMT	OID00487 O151 OID00990 P1645	<ol> <li>Olink Target 96 Inflammation</li> <li>Olink Target 96 Immune Respons</li> </ol>	0.441010583	3.6267985 4.3660415	3.185787917 3.8401025	2.164485149 2.167753285	0.036425329	40.17692739 29.94854852	0.029276003	0.852745164	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.301450961	Non-significant Non-significant	VERO VERO	DOWN
CCL25 MCP-3	OID00551 O154 OID00474 P8005	8 Olink Target 96 Inflammation	-0.320524417 0.272045	7.315551 2.33499	7.636075417 2.062945	-2.135507389 2.138967443	0.038734643 0.039482667	41.04255838 35.04955013	-0.623633556 0.013858367	0.530231633	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.301450961	Non-significant Non-significant	VERO VERO	UP DOWN
AREG CXCL1	OID01009 P155: OID00496 P0934 OID00550 Q147	1 Olink Target 96 Inflammation	e -0.15576525 0.269265333 -0.224141667	3.183396 10.6320295 2.901175	3.33916125 10.36276417 3.125316667	-2.11846392 2.101788039 -2.015966271	0.040198774 0.041868189 0.050265143	41.2849107 40.30008959 41.7729327	-0.304225833 0.010400346 -0.448554673	0.528130321	Welch Two Sample to Welch Two Sample to Welch Two Sample to	test two.sided	0.301450961	Non-significant Non-significant Non-significant	VERO VERO FALSO	DOWN
CASP-8 IL2 TRANCE	OID00530 Q147 OID00495 P6056 OID00521 O147	8 Olink Target 96 Inflammation	0.144152583 -0.302603083	1.4019255 5.790894	1.257772917	2.00832869	0.05181466 0.056285552	37.68642145 37.25713709	-0.001192853 -0.613738718	0.28949802	Welch Two Sample to Welch Two Sample to	test two.sided	0.345431065	Non-significant Non-significant	FALSO FALSO	NO NO
SH2B3 TPSAB1	OID00983 Q9U0 OID00941 Q156	Olink Target 96 Immune Respons	e 0.357234917	2.8470185 6.4708445	2.455297083 6.113609583	1.963590978 1.949059316	0.05665142 0.058064929	39.45987489 41.52630205	-0.011639686 -0.012775869	0.727245702	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.348389577	Non-significant Non-significant	FALSO FALSO	NO NO
NCR1 TNF IL-20	OID01007 O760 OID05548 P013 OID00537 O9NY	5 Olink Target 96 Inflammation	e -0.229928833 0.293446083 0.113848333	3.3016595 4.870309 1.6319825	3.531588333 4.576862917 1.518134167	-1.874543174 1.848568181 1.774362194	0.069370438 0.075932423 0.085617191	34.3890208 25.98130537 31.67295427	-0.479097266 -0.032864947 -0.01690029	0.619757113	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.427119881	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
TNFSF14 CKAP4	OID00537 Q9NY OID00506 O435 OID00985 Q070	7 Olink Target 96 Inflammation	0.322277167	6.483413 5.065995	6.161135833 5.183992083	1.75250897 -1.754666231	0.085617191	41.99980145 37.67952656	-0.01690029 -0.048837478 -0.254170755	0.693391812	Welch Two Sample to Welch Two Sample to	test two.sided	0.44972259	Non-significant Non-significant	FALSO FALSO	NO NO
DCTN1 IL12RB1	OID00958 Q142 OID01019 P4270	<ol> <li>Olink Target 96 Immune Respons</li> <li>Olink Target 96 Immune Respons</li> </ol>	e -0.273079917 e 0.137634583	4.108838 1.9404125	4.381917917 1.802777917	-1.734416176 1.671113957	0.090589629 0.10325414	39.7726589 36.49531714	-0.59135035 -0.029322545	0.045190517 0.304591712	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.452948144 0.460980628	Non-significant Non-significant	FALSO FALSO	NO NO
IL-12B CXADR CST5	OID00523 P294i OID00992 P783: OID00491 P283:	0 Olink Target 96 Immune Respons	-0.306732833 e -0.196727167 0.221034167	7.319658 2.5721845 5.9679025	7.626390833 2.768911667 5.746868333	-1.661513244 -1.65463001 1.649208438	0.106093892 0.10647723 0.106582304	32.96214661 36.92211835 41.90719441	-0.682342158 -0.43764839 -0.049455764	0.044194056	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.460980628	Non-significant Non-significant	FALSO FALSO	NO NO
IRAK1 PRKCO	OID00491 P2833 OID00950 P5163 OID00989 Q047	7 Olink Target 96 Immune Respons	e 0.163119583	1.984715 1.1465265	1.821595417 0.916384583	1.631828005 1.62999671	0.110349352 0.110804456	41.13360845 40.77387578	-0.038736365 -0.055048427	0.364975531	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.460980628	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
CXCL12 PIK3AP1	OID01008 P4800 OID00997 Q6ZU	8 Olink Target 96 Immune Respons	e 0.29789725	1.2807925 4.2269785	1.156917917 3.92908125	1.639353894 1.618737439	0.11177162 0.113007791	29.47375536 41.8997924	-0.03056138 -0.073517888	0.669312388	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.460980628	Non-significant Non-significant	FALSO FALSO	NO NO
IL33 SRPK2	OID00543 O957 OID00994 P7836 OID00962 Q96D	2 Olink Target 96 Immune Respons		1.530901 1.6974155 0.855546	1.42512625 1.433297917 0.715695	1.603197727 1.587357763 1.585806201	0.116405747 0.119954272 0.120367164	41.88890084 41.87841769 41.5412776	-0.027383411 -0.07169626 -0.038180278	0.599931427	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.460980628	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
FXYDS BACH1 IL18	OID00962 Q960 OID00996 O148 OID00501 Q141	<ul> <li>Olink Target 96 Immune Respons</li> </ul>		2.686518 9.874045	2.478041667 9.66993125	1.560355911 1.547568943	0.12634586 0.129312607	41.5412776 41.08865809 41.53515924	-0.061333206 -0.062145693	0.478285872	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.473796974	Non-significant Non-significant	FALSO FALSO	NO NO
FCRL6 EGLN1	OID01006 Q6DN OID00972 Q9GZ	<ul> <li>72 Olink Target 96 Immune Respons</li> <li>79 Olink Target 96 Immune Respons</li> </ul>	e -0.24961625 e 0.18564525	3.3293425 1.928229	3.57895875 1.74258375	-1.500041895 1.463877661	0.141210718 0.150772711	41.29627531 41.43795867	-0.585607153 -0.070385631	0.086374653 0.441676131	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.508358584 0.532138979	Non-significant Non-significant	FALSO FALSO	NO NO
CD83 OPG FCRL3	OID01025 Q011 OID00479 O003 OID00984 Q96P	Olink Target 96 Inflammation	0.14242325	2.561149 10.404917 1.778349	2.673109167 10.26249375 1.674369583	-1.418704035 1.413698464 1.381868034	0.164960132 0.166173058 0.17451885	34.48640083 35.44742829 40.87245782	-0.272255959 -0.062008015 -0.047996451	0.346854515	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.56436133	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
CCL19 TSLP	OID00984 Q96P OID00513 Q997 OID00497 Q969	1 Olink Target 96 Inflammation	0.276600667 -0.27022825	9.4025115 1.652778	9.125910833 1.92300625	1.381868034 1.382730564 -1.367063863	0.176091082 0.179052169	32.79552481 41.01216706	-0.130479081 -0.669428404	0.683680414	Welch Two Sample to Welch Two Sample to	test two.sided	0.568131614	Non-significant Non-significant	FALSO FALSO	NO NO
CCL20 NF2	OID00556 P7855 OID00981 P3524	<ol> <li>Olink Target 96 Inflammation</li> <li>Olink Target 96 Immune Respons</li> </ol>	-0.287790333 e -0.199846583	6.9412855 -0.8316245	7.229075833 -0.631777917	-1.364182644 -1.338445252	0.179908344 0.188378578	41.24444288 39.63709971	-0.713759524 -0.501704456	0.138178857 0.102011289	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.568131614 0.571945031	Non-significant Non-significant	FALSO FALSO	NO NO
NFATC3 MMP-10	OID00973 Q129 OID00527 P092	8 Olink Target 96 Inflammation	0.187014167	1.152753 9.95602	0.988688333 9.769005833	1.336135497 1.333489533	0.189575144 0.190648344	37.41466869 36.43564705	-0.084639356 -0.097296208	0.471324541	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.571945031	Non-significant Non-significant	FALSO FALSO	NO NO
CD40 MASP1 SIT1	OID00542 P2594 OID01014 P4874 OID01013 O9Y3	Olink Target 96 Immune Respons		11.6111715 2.0977615 1.6569185	11.49841375 1.997730833 1.77152125	1.293281188 1.277856161 -1.262058306	0.203451507 0.208356076 0.214303505	39.36775582 41.77195468 39.63798816	-0.063542639 -0.05797046 -0.298181202	0.258031794	Welch Two Sample to Welch Two Sample to Welch Two Sample to	test two.sided	0.604904738	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
SLAMF1 CD28	OID00502 Q132 OID00977 P1074	Olink Target 96 Inflammation Olink Target 96 Immune Respons	-0.125891417 e -0.115643167	3.0725515 2.0281835	3.198442917 2.143826667	-1.240283797 -1.220125928	0.223950911 0.229433448	31.77640254 40.7378531	-0.332701512 -0.307092063	0.080918678 0.07580573	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.623157755 0.623157755	Non-significant Non-significant	FALSO FALSO	NO NO
EIF4G1 ZBTB16	OID00976 Q046 OID00939 Q055	6 Olink Target 96 Immune Respons	e 0.18307125	3.748288 1.9622	3.546806667 1.77912875	1.196509078 1.188205524	0.238229026 0.241647422	41.87248826 40.65566141	-0.138376079 -0.128167003	0.494309503	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.623157755	Non-significant Non-significant	FALSO FALSO	NO NO
TREM1 FGF-21 BTN3A2	OID00991 Q9NF OID00512 Q9NS OID01027 P784:	41 Olink Target 96 Inflammation	0.703276667	1.9772655 5.0952675 3.63261	1.808282917 4.391990833 3.550925417	1.188398596 1.185596786 1.178351977	0.241858267 0.243911755 0.245511148	39.02554336 34.37925767 40.63357883	-0.118624946 -0.501727966 -0.058350445	1.908281299	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.623157755	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
CXCL6 IL-10RA	OID00534 P8016 OID00508 Q136	2 Olink Target 96 Inflammation	0.14779025 0.248444083	10.301444	10.15365375	1.170125904	0.24858547 0.249263102	41.75772247 23.08083844	-0.107143064 -0.186303137	0.402723564	Welch Two Sample to Welch Two Sample to	test two.sided	0.623157755	Non-significant Non-significant	FALSO FALSO	NO NO
CD6 HCLS1	OID00499 P3020 OID00942 P143	7 Olink Target 96 Immune Respons		6.178292 5.042067	6.33534 4.800670833	-1.149301671 1.132779132	0.25781673 0.263736903	36.95037936 41.97107368	-0.43393257 -0.188667489	0.671459822	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.625114796	Non-significant Non-significant	FALSO FALSO	NO NO
ITGB6 IFNLR1 IL-20RA	OID01026 P1856 OID01010 Q8IU: OID00489 Q9UF	7 Olink Target 96 Immune Respons		3.569354 3.283911 2.4662155	3.657055833 3.166624583 2.167452917	-1.127336959 1.117594058 1.121777194	0.266250132 0.270939872 0.274050231	40.40691247 37.0258094 22.00366678	-0.244883259 -0.09534827 -0.253566072	0.329921103	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.625114796	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
TWEAK PRDX1	OID00555 O435 OID00952 Q068	18 Olink Target 96 Inflammation	-0.078702	9.7416455 2.317757	9.8203475 2.56590625	-1.104820755 -1.106614199	0.276269483 0.276861395	37.53390618 31.42079503	-0.222968721 -0.705245465	0.065564721	Welch Two Sample to Welch Two Sample to	test two.sided	0.625114796	Non-significant Non-significant	FALSO FALSO	NO NO
DPP10 STC1	OID00956 Q8N6 OID00999 P5283	3 Olink Target 96 Immune Respons	e 0.127460417	1.3961325 6.32496	1.482587083 6.197499583	-1.099480533 1.071421264	0.277828798 0.291339054	41.94727072 34.87426313	-0.245146716 -0.114080203	0.369001037	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.64742012	Non-significant Non-significant	FALSO FALSO	NO NO
CSF-1 NRTN CCL28	OID00562 P096 OID00548 Q997 OID00539 Q9NR	8 Olink Target 96 Inflammation	0.051359333 0.08749525 0.125846583	10.3449585 1.5094015 2.7244595	10.29359917 1.42190625 2.598612917	1.050246593 1.03913327 0.998274067	0.301552024 0.304693731 0.325519558	31.67501208 41.96061006 32.50850618	-0.048291217 -0.082432399 -0.130780273	0.257422899	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.660781586	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
CLEC4G CXCL11	OID00539 Q9NF OID00944 Q6UX OID00486 O146	34 Olink Target 96 Immune Respons		3.7950305 8.61966	3.700410417 8.444459167	0.993381824 0.987063361	0.325519558 0.328173847 0.330167027	31.16815127 36.18011284	-0.130780273 -0.099602057 -0.184717651	0.288842223	Welch Two Sample to Welch Two Sample to	test two.sided	0.682866497	Non-significant Non-significant	FALSO FALSO	NO NO
PD-L1 IL-17A	OID00518 Q9NZ OID00485 Q165	Q7 Olink Target 96 Inflammation	-0.074032333 -0.152271382	6.205151 3.162037368	6.279183333 3.31430875	-0.981451841 -0.979256062	0.332431732 0.333845843	38.92091887 36.81058587	-0.22661675 -0.467392968	0.078552084	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.682866497 0.682866497	Non-significant Non-significant	FALSO FALSO	NO NO
DCBLD2	OID00482 P0523 OID01005 Q96P	Olink Target 96 Immune Respons		3.0827445 7.798874	3.19955125 7.869560417	-0.959289334 -0.943773438	0.343029549 0.35103063	41.04868347 39.44471565	-0.362704951 -0.222126631	0.080753798	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.688838847	Non-significant Non-significant	FALSO FALSO	NO NO
MCP-4 ARNT IL-1 alpha	OID00504 Q996 OID01000 P2754 OID00493 P0151	Olink Target 96 Immune Respons	0.149778417 e 0.257032083 0.08518475	14.412488 1.945795 -0.603869	14.26270958 1.688762917 -0.68905375	0.939304417 0.93596289 0.932242492	0.3529542 0.355273328 0.358448789	41.93045829 37.54843547 30.85621184	-0.172034117 -0.299122259 -0.101213386	0.813186426	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.688838847	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
IL-10RB HGF	OID00515 Q083 OID00522 P142	4 Olink Target 96 Inflammation	-0.067197 0.099211417	7.594273 10.164651	7.66147 10.06543958	-0.92619634 0.894808762	0.359726954	41.28384459	-0.213687284 -0.124544693	0.079293284	Welch Two Sample to Welch Two Sample to	test two.sided	0.688838847	Non-significant Non-significant	FALSO FALSO	NO NO
EN-RAGE HEXIM1	OID00541 P805: OID00987 O949	Olink Target 96 Inflammation Olink Target 96 Immune Respons	-0.19539575 e 0.110578833	5.9419855 3.989443	6.13738125 3.878864167	-0.892725952 0.892708325	0.37716389 0.377321474	41.4000569 40.2371875	-0.637293906 -0.13972367	0.246502406 0.360881336	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.700184179 0.700184179	Non-significant Non-significant	FALSO FALSO	NO NO
IFN-gamma DAPP1 IL-22 RA1	OID05547 P0153 OID01011 Q9UN OID00516 Q8N6	19 Olink Target 96 Immune Respons	-0.266108333 e -0.093575833 -0.106184417	6.8407425 1.4590525 2.0887735	7.106850833 1.552628333 2.194957917	-0.881072489 -0.862257015 -0.84849732	0.384643474 0.393605 0.400983108	33.03848762 40.64626613 41.89568487	-0.8805612 -0.31280303 -0.358754026	0.125651364	Welch Two Sample to Welch Two Sample to Welch Two Sample to	test two.sided	0.712127391	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
GLB1 GDNF	OID00516 Q8N6 OID00937 P1623 OID00475 P3991	8 Olink Target 96 Immune Respons		1.285317 2.384235	1.409154167 2.307028333	-0.84849732 -0.846736889 0.836694654	0.400983108 0.402493705 0.408238608	37.63770201 36.30096412	-0.420002968 -0.109883466	0.172328635	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.712127391	Non-significant Non-significant	FALSO FALSO	NO NO
LAMP3 PPP1R9B	OID01015 Q9UC OID00936 Q96S	<ul> <li>V4 Olink Target 96 Immune Respons</li> <li>I3 Olink Target 96 Immune Respons</li> </ul>	e 0.1194075	4.995042 2.6685775	4.872449167 2.54917	0.828662936 0.82531627	0.413050232 0.414084928	34.14603351 40.01890565	-0.178011141 -0.172999202	0.423196807 0.411814202	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.712127391 0.712127391	Non-significant Non-significant	FALSO FALSO	NO NO
MILR1 LAG3	OID00971 Q7Z6 OID01023 P186 OID00547 P150	7 Olink Target 96 Immune Respons	e -0.10244025 e -0.0883385 0.06182325	3.595096 2.7399515 0.6200095	3.69753625 2.82829 0.55818625	-0.823354771 -0.768225413 0.771686948	0.415407645 0.446657129 0.447078455	38.27102244 41.94366697 26.69179189	-0.354252998 -0.320407631 -0.102646815	0.143730631	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.748323516	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
LIF TRIM21 SIRT2	OID00547 P150: OID00964 P194: OID00538 Q8IXI	4 Olink Target 96 Immune Respons		1.9327215 4.119299	2.018780417 3.978692083	-0.76426999 0.756169515	0.44899411 0.453935375	41.85181248 40.39174415	-0.102646815 -0.313324343 -0.23509105	0.14120651	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.748323516	Non-significant Non-significant	FALSO FALSO	NO NO
ST1A1 FGF2	OID00557 P5022 OID00954 P0903	<ol> <li>Olink Target 96 Inflammation</li> <li>Olink Target 96 Immune Respons</li> </ol>		3.1234485 0.880195	2.91545875 0.716527083	0.734810469 0.717984755	0.46683875 0.476895243	39.10614301 40.43044953	-0.364487767 -0.296892739	0.780467267 0.624228572	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.750847178	Non-significant Non-significant	FALSO FALSO	NO NO
ITGA6 IL-18R1 TRAF2	OID00959 P232 OID00517 Q134 OID00963 Q129	8 Olink Target 96 Inflammation	0.082553083	2.254598 8.626476 2.8557895	2.188615 8.543922917	0.717005436 0.713726596 0.710892835	0.477953468 0.480018456 0.481416671	36.34581837 35.84136612 38.67032515	-0.120592336 -0.152062171 -0.142579384	0.317168338	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.750847178	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
IL-15RA ITM2A	OID00963 Q129 OID00514 Q132 OID00968 O437	1 Olink Target 96 Inflammation	0.0686525	2.8557895 2.3675225 3.02906	2.778555 2.29887 3.128226667	0.705917713 -0.705392587	0.481416671 0.484531004 0.485297609	38.12363404 34.53032306	-0.1425/9384 -0.12820461 -0.384705489	0.26550961	Welch Two Sample to Welch Two Sample to	test two.sided	0.750847178	Non-significant Non-significant	FALSO FALSO	NO NO
IRAK4 Beta-NGF	OID00940 Q9NV OID00519 P011	<ul> <li>723 Olink Target 96 Immune Respons</li> <li>8 Olink Target 96 Inflammation</li> </ul>	e 0.1159395 0.01881625	1.789022 0.11823	1.6730825 0.09941375	0.699672779 0.671845215	0.488050665 0.506049085	41.33628969 35.35458128	-0.218626517 -0.038020246	0.075652746	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.750847178 0.757410972	Non-significant Non-significant	FALSO FALSO	NO NO
CLEC4C FGF-5 CD5	OID00949 Q8W OID00509 P1203 OID00531 P0613	4 Olink Target 96 Inflammation	e 0.10746925 0.047485417 -0.064524833	4.7798555 2.33398 6.6825185	4.67238625 2.286494583 6.747043333	0.669813874 0.668854874 -0.661933978	0.507241777 0.507511937 0.512435167	36.07219407 39.16186978 34.3103862	-0.217908596 -0.096096746 -0.262560531	0.19106758	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.757410972	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
ARTN IL10	OID00526 Q5T4 OID00528 P2230	V7 Olink Target 96 Inflammation	0.091257 -0.081711167	1.143832	1.052575	0.661687791	0.512455167 0.513356326 0.530837258	29.21817724 38.82952863	-0.1907204 -0.343099136	0.3732344	Welch Two Sample to Welch Two Sample to	test two.sided	0.757410972	Non-significant Non-significant	FALSO FALSO	NO NO
CCL3 ICA1	OID00532 P1014 OID01003 Q050	<ol> <li>Olink Target 96 Inflammation</li> <li>Olink Target 96 Immune Respons</li> </ol>	-0.083444167 e 0.0614685	7.0607725 1.115276	7.144216667 1.0538075	-0.617593759 0.610941791	0.54018191 0.544541341	41.94412419 41.86203385	-0.356121456 -0.141595966	0.189233123 0.264532966	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.78413503 0.784139531	Non-significant Non-significant	FALSO FALSO	NO NO
Flt3L ADA CLEC7A	OID00533 P4973 OID00560 P0083 OID01016 Q98X	3 Olink Target 96 Inflammation	-0.056034667 -0.059822167 e 0.067827	9.441172 6.3162845 3.5869095	9.497206667 6.376106667 3.5190825	-0.597646392 -0.592829147 0.586369037	0.553365194 0.556958144 0.560971952	40.96963692 36.42818582 39.40258037	-0.245388863 -0.264392877 -0.166067094	0.144748544	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.788866808	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
DGKZ	OID00948 Q135 OID00494 P137	4 Olink Target 96 Immune Respons	e -0.037368333 0.140253583	0.003335 6.3722715	0.040703333 6.232017917	-0.57356645 0.568055397	0.569598775	38.47728248 41.98212121	-0.169205599 -0.358019583	0.094468933 0.63852675	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.793416791	Non-significant Non-significant	FALSO FALSO	NO NO
TNFB EIFSA	OID00561 P0133 OID00975 P6324	<ol> <li>Olink Target 96 Immune Respons</li> </ol>	-0.071110417 e -0.114241083	5.7691525 0.459226	5.840262917 0.573467083	-0.537062084 -0.527245547	0.594587474 0.600890144	35.36937442 40.63376223	-0.339809234 -0.551945523	0.323463356	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.796742053	Non-significant Non-significant	FALSO FALSO	NO NO
HNMT GALNT3 FAM3B	OID00969 P5013 OID00961 Q144 OID01001 P5849	Olink Target 96 Immune Respons	e 0.054276417	8.676784 2.712246 4.6407515	8.750797917 2.657969583 4.729968333	-0.518736794 0.518201504 -0.517826428	0.606776513 0.607085461 0.607526567	40.36747615 41.26177231 38.70740583	-0.362301349 -0.157209523 -0.43779252	0.265762356	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.796742053	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
EDAR MCP-1	OID00946 Q9UN OID00484 P1350	EO Olink Target 96 Immune Respons O Olink Target 96 Inflammation	e 0.12542475 -0.059679917	2.944241 13.250808	2.81881625 13.31048792	0.517563416 -0.509830817	0.6075496 0.612894801	40.92222113 41.13297286	-0.36401294 -0.296060695	0.61486244 0.176700861	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.796742053	Non-significant Non-significant	FALSO FALSO	NO NO
PADI2 IL7	OID01012 Q9Y2 OID00478 P132	2 Olink Target 96 Inflammation	0.068668083	1.1066015 5.4619785	1.050585833 5.393310417	0.508474024 0.506129398	0.614312218 0.615681979	34.98876011 38.10104105	-0.167632248 -0.205963587	0.343299754	Welch Two Sample t- Welch Two Sample t-	test two.sided	0.796742053	Non-significant Non-significant	FALSO FALSO	NO NO
NTF4 CXCL5 ITGA11	OID00966 P341: OID00520 P428: OID01021 Q9UK	0 Olink Target 96 Inflammation	0.08807325	1.564136 12.008277 2.168427	1.628591667 11.92020375 2.22260625	-0.500081258 0.472306601 -0.471474205	0.619688264 0.639165857 0.639951283	41.04929118 41.7781314 38.67245082	-0.324745591 -0.288307225 -0.286678845	0.464453725	Welch Two Sample to Welch Two Sample to Welch Two Sample to	test two.sided	0.811205852	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
HSD11B1 TRAIL	OID00980 P2884 OID00488 P5059	5 Olink Target 96 Immune Respons		3.4072035 8.354976	3.35389875 8.3894525	0.459684946	0.648572736	35.15396113 38.75814702	-0.182068318 -0.190567086	0.288677818	Welch Two Sample to Welch Two Sample to	test two.sided	0.816385262	Non-significant Non-significant	FALSO FALSO	NO NO
IL4 NT-3	OID00546 P0513 OID00554 P2078	2 Olink Target 96 Inflammation 3 Olink Target 96 Inflammation	0.091909917 0.029645	1.955392 3.0984275	1.863482083 3.0687825	0.446400696 0.397732008	0.657811223 0.693179481	38.46033139 35.95364751	-0.324730997 -0.121525982	0.50855083 0.180815982	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.816593242 0.85460484	Non-significant Non-significant	FALSO FALSO	NO NO
CD244 TANK ILS	OID00477 Q9BZ OID01020 Q928 OID00559 P051:	4 Olink Target 96 Immune Respons	-0.033196667 e 0.056365917 0.129992333	6.9782075 1.4563955 2.163404	7.011404167 1.400029583 2.033411667	-0.389135386 0.369500007 0.368942412	0.699338436 0.713657951 0.714109261	38.17146305 40.97310843 40.14809322	-0.2058698 -0.251714042 -0.582026975	0.364445876	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.859880785	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
IRF9 TGF-alpha	OID00945 Q009 OID00503 P011	<ol> <li>Olink Target 96 Immune Respons</li> <li>Olink Target 96 Inflammation</li> </ol>	e 0.053183833 0.083024	2.2746405 5.038094	2.221456667 4.95507	0.363244529 0.359160639	0.718382028 0.721344436	39.03487769 40.41961527	-0.242956577 -0.384019151	0.349324243 0.550067151	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.859880785 0.859880785	Non-significant Non-significant	FALSO FALSO	NO NO
CLEC4D SCF	OID00988 Q8W OID00500 P2158	<ol> <li>Olink Target 96 Immune Respons</li> <li>Olink Target 96 Inflammation</li> </ol>	0.035767	4.45854 10.038682	4.3892075 10.002915	0.299632712 0.280909107	0.766149037 0.780401805	36.67342729 35.6994088	-0.399652433 -0.222537377	0.538317433 0.294071377	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.907281754 0.917798644	Non-significant Non-significant	FALSO FALSO	NO NO
DDX58 CNTNAP2 II - 2RR	OID01018 O957 OID00943 Q9UH OID00492 P1478	C6 Olink Target 96 Immune Respons		2.639335 1.866184 1.7376755	2.588365417 1.89143 1.761252083	0.269986163 -0.268232939 -0.243855251	0.788517613 0.79032661 0.809134328	41.2328411 30.4881724 27.78842393	-0.330225922 -0.217335063 -0.221690065	0.166843063	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.917798644	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
CLECGA PRDX3	OID01017 Q6EI0 OID00953 P3004	<ol> <li>Olink Target 96 Immune Respons</li> <li>Olink Target 96 Immune Respons</li> </ol>	e 0.0357605 e 0.020786833	3.227758 -0.155774	3.1919975 -0.176560833	0.229448918 0.213584679	0.820001066 0.832054346	31.5493741 36.66105764	-0.281881358 -0.176471103	0.353402358 0.218044769	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.940128611 0.943408679	Non-significant Non-significant	FALSO FALSO	NO NO
DFFA FGF-23	OID01004 O002 OID00507 Q9GZ	Olink Target 96 Immune Respons Olink Target 96 Inflammation	e -0.024659917 0.014450917	4.461573 0.908353	4.486232917 0.893902083	-0.207161072 0.199794559	0.836885226 0.842645846	41.99945174 40.3067223	-0.264887221 -0.131696559	0.215567388 0.160598392	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.943408679 0.943408679	Non-significant Non-significant	FALSO FALSO	NO NO
CCL4 IL-24 IL13	OID00498 P1323 OID00524 Q130 OID00525 P3523	7 Olink Target 96 Inflammation	0.028677583 0.049413707 0.022716583	7.8246505 2.254296316 1.020542	7.795972917 2.204882609 0.997825417	0.189228121 0.187373085 0.184774262	0.85098668 0.852556226 0.85430897	35.66929796 31.86257301 41.36903882	-0.278779698 -0.487853726 -0.225503297	0.586681141	Welch Two Sample to Welch Two Sample to Welch Two Sample to	test two.sided	0.943408679	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
PTH1R PSIP1	OID00978 Q034 OID00938 O754	Olink Target 96 Immune Respons Olink Target 96 Immune Respons	e 0.02521775 e 0.036859083	4.298699 3.386827	4.27348125 3.349967917	0.170990009 0.166773955	0.86556037 0.868371556	25.90192452 40.80798332	-0.277989333 -0.409547955	0.328424833 0.483266122	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.946391345 0.946391345	Non-significant Non-significant	FALSO FALSO	NO NO
VEGFA CLEC4A	OID00472 P1569 OID00951 Q9UN	<ol> <li>Olink Target 96 Inflammation</li> <li>Olink Target 96 Immune Response</li> </ol>	0.02555125 e -0.014272	12.2185325 3.7296005	12.19298125 3.7438725	0.161107167 -0.133545488	0.872783129 0.894427972	41.90952763 40.22005481	-0.294532637 -0.230227426	0.345635137 0.201683426	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.946391345 0.960133423	Non-significant Non-significant	FALSO FALSO	NO NO
SH2D1A BIRC2 IL8	OID01002 O608 OID00979 Q134 OID00471 P1014	O Olink Target 96 Immune Respons	e 0.015302333 e -0.010370167 -0.010685417	1.8888015 0.8207615 6.0509475	1.873499167 0.831131667 6.061632917	0.131388824 -0.113454372 -0.096298479	0.896124529 0.910226063 0.923747323	40.11227802 40.85230872 41.47649031	-0.22006375 -0.194984261 -0.234698409	0.174243928	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.969471546	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
CXCL10 IL-17C	OID00535 P0277 OID00483 Q9P0	8 Olink Target 96 Inflammation A4 Olink Target 96 Inflammation	-0.017660917 -0.015033	9.8563495 3.9182445	9.874010417 3.9332775	-0.090375986 -0.082711614	0.928620587 0.934515844	28.50177296 37.92726069	-0.417635271 -0.38299383	0.382313438 0.35292783	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.969950329 0.969950329	Non-significant Non-significant	FALSO FALSO	NO NO
CD8A CX3CL1	OID05124 P0173 OID00552 P7843	2 Olink Target 96 Inflammation 3 Olink Target 96 Inflammation	-0.012463417 -0.005628083	10.4862495 4.904044	10.49871292 4.909672083	-0.078895999 -0.073985249	0.937492769 0.941412805	41.6966277 37.74767551	-0.331334033 -0.159658255	0.3064072 0.148402089	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.969950329 0.969950329	Non-significant Non-significant	FALSO FALSO	NO NO
STAMBP 4E-BP1 JUN	OID00558 O956 OID00536 Q135 OID00986 P054:	Olink Target 96 Inflammation Olink Target 96 Inflammation	0.010331333 0.01330175 e 0.00848025	5.1319805 8.604773 1.438264	5.121649167 8.59147125 1.42978375	0.065956652 0.056744168 0.053551412	0.947738776 0.955022052 0.957546851	40.2607653 41.38850063 41.93893997	-0.306182483 -0.459976372 -0.31111124	0.486579872	Welch Two Sample t- Welch Two Sample t- Welch Two Sample t-	test two.sided	0.969950329	Non-significant Non-significant Non-significant	FALSO FALSO	NO NO
LAP TGF-be KPNA1	t OID00480 P011 OID01022 P5229	7 Olink Target 96 Inflammation 4 Olink Target 96 Immune Respons	0.004564583 e 0.023612917	8.81399 1.107985	8.809425417 1.084372083	0.046911302 0.04470521	0.962831218 0.964561716	37.75063681 40.54909373	-0.192456609 -1.043452026	0.201585776 1.090677859	Welch Two Sample t- Welch Two Sample t-	test two.sided test two.sided	0.969950329 0.969950329	Non-significant Non-significant	FALSO FALSO	NO NO
FGF-19	OID00545 O957	O Olink Target 96 Inflammation	0.008656833	9.131546	9.122889167	0.034422708	0.972706286	41.20629422	-0.499152483	0.51646615	Welch Two Sample t-	test two.sided	0.972706286	Non-significant	FALSO	NO