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# SIMON, an Automated Machine Learning System, Reveals Immune Signatures of Influenza Vaccine Responses

Adriana Tomic,<sup>\*,†</sup> Ivan Tomic,<sup>‡</sup> Yael Rosenberg-Hasson,<sup>§</sup> Cornelia L. Dekker,<sup>¶</sup> Holden T. Maecker,<sup>§</sup> and Mark M. Davis<sup>\*,||,#</sup>

Machine learning holds considerable promise for understanding complex biological processes such as vaccine responses. Capturing interindividual variability is essential to increase the statistical power necessary for building more accurate predictive models. However, available approaches have difficulty coping with incomplete datasets which is often the case when combining studies. Additionally, there are hundreds of algorithms available and no simple way to find the optimal one. In this study, we developed Sequential Iterative Modeling “OverNight” (SIMON), an automated machine learning system that compares results from 128 different algorithms and is particularly suitable for datasets containing many missing values. We applied SIMON to data from five clinical studies of seasonal influenza vaccination. The results reveal previously unrecognized CD4<sup>+</sup> and CD8<sup>+</sup> T cell subsets strongly associated with a robust Ab response to influenza Ags. These results demonstrate that SIMON can greatly speed up the choice of analysis modalities. Hence, it is a highly useful approach for data-driven hypothesis generation from disparate clinical datasets. Our strategy could be used to gain biological insight from ever-expanding heterogeneous datasets that are publicly available. *The Journal of Immunology*, 2019, 203: 000–000.

The immune system comprises multiple cell types that work together to develop an effective response to a given pathogen. However, which of these myriad cell types are important in a particular response is not well understood. The

increasingly common systems immunology approach measures gene expression and different cells and molecules in the immune system during an infection or vaccination and uses computational methods to discern which components are most important (1–6). These studies have the practical goal of determining what makes one vaccine formulation better than another or how individuals vary. In addition, it may suggest a mechanistic understanding of how an effective immune response is achieved. To accomplish this, an accurate modeling of the complex processes that lead to a successful outcome is crucial.

Over the past few years, many systems studies of influenza vaccination responses in human beings have been analyzed computationally, but the results have not been consistent (2, 3, 7–10). One reason for these inconsistent results is the relatively small sample sizes. Another is that studies focus on only one biological aspect; for example, molecular correlates of protection by using transcriptome data (11). However, a more robust approach to understanding how a vaccine works would involve analyzing multiple parameters from many individuals across different populations to more accurately capture biological variability. Furthermore, this would increase the statistical power, ultimately leading to the generation of classification and regression models with more robust performance metrics. Although the number of studies and the amount of data are expanding dramatically, analyzing diverse samples across clinical studies remains challenging (12). This is particularly true for data from flow and mass cytometry, in which the number of markers analyzed can vary tremendously (13).

In this study, we develop an approach that optimizes a machine learning workflow through a Sequential Iterative Modeling “OverNight” (SIMON). SIMON is specifically tailored for clinical data containing inconsistent features with many missing values. SIMON uses multiset intersections to successfully feed such data into an automated machine learning process with minimal sample losses. Our approach runs hundreds of different machine learning algorithms to find the ones that fit any given data distribution, and this maximizes predictive accuracy and other performance measurements. We used SIMON to analyze data from the Stanford

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A.T. designed and performed the experiments, processed and analyzed the data, and wrote the manuscript. I.T. designed the database, programmed the SIMON, analyzed the data, and revised the manuscript. Y.R.-H. and H.T.M. ran all the experiments at the HMC, analyzed the data, and revised the manuscript. C.L.D. was responsible for regulatory approvals, protocol design, study conduct, and clinical data management. M.M.D. supervised the study and edited the manuscript.

The data presented in this article have been submitted to Zenodo (<https://zenodo.org/record/2578166#.XHWdibh7IPY>) and the algorithm has been submitted to the Comprehensive R Archive Network (<https://cran.r-project.org/web/packages/mulset/index.html>).

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The online version of this article contains supplemental material.

Abbreviations used in this article: AUROC, area under the receiver operating characteristic curve; B-H, Benjamini–Hochberg; EM, effector memory; FDR, false discovery rate; FN, false negative; FP, false positive; GeoMean, geometric mean; HAL, hemagglutination inhibition assay; HMC, Human Immune Monitoring Center; ID, identifier; RT, room temperature; SAM, significance analysis of microarray; SIMON, Sequential Iterative Modeling “OverNight”; TEMRA, terminally differentiated effector; TN, true negative; TP, true positive; Treg, regulatory T cell.

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Human Immune Monitoring Center (HIMC) collected from five separate clinical studies of seasonal influenza vaccination, obtained over 8 years, with various platforms and expanding parameters. This enabled a systems-level identification of features that correlate with protective immunity to influenza. In the resulting models, we identified several previously unknown immune cell subsets that correlated with a successful influenza vaccination outcome, as defined by Ab responses. The impact of our findings is 2-fold. First, the study offers a new tool that can increase the accuracy of predictions from heterogeneous biological datasets. Second, it provides new targets for the development of the next generation of influenza vaccines.

## Materials and Methods

### *Subjects, sample, and data collection*

All clinical studies were approved by the Stanford Institutional Review Board and performed in accordance with guidelines on human cell research. Peripheral blood samples were obtained at the Clinical and Translational Research Unit at Stanford University after written informed consent/assent was obtained from participants. Samples were processed and cryopreserved by the Stanford HIMC BioBank according to the standard operating protocols (14). All materials and data were analyzed anonymously.

In this study, we used data from 187 healthy donors who were enrolled in influenza vaccine studies at the Stanford-LPCH Vaccine Program from 2007 to 2014. This included the following studies: SLVP015 (NCT01827462, accessible at <http://www.clinicaltrials.gov>, and National Institute of Allergy and Infectious Diseases ImmPort accession number SDY212, accessible at <http://www.immport.org>, data analysis described in Ref. 15), SLVP017 (NCT02133781, NCT03020498, and NCT03020537), SLVP018 (NCT01987349, NCT03022396, NCT03022422, NCT03022435, and NCT0323176, data analysis published in Ref. 16), SLVP021 (NCT02141581), SLVP028 (NCT03088904), and SLVP029 (NCT03028974). Individuals were selected for this study based on the following criteria: 1) age range from 8 to 40 y; 2) received inactivated influenza vaccine (Fluzone, i.m.); 3) only data from the first visit (some donors came in consecutive years); 4) hemagglutination inhibition assay (HAI) titer measured; and 5) information about gender and age available. Exclusion/inclusion criteria, samples that were acquired with timepoints, and analyses performed are described in the study record details at Web site repository for clinical studies (<http://www.ClinicalTrials.gov>) using provided identifiers (IDs). All the protocols for sample analysis such as immunophenotyping and determination of signaling responses to stimulation using flow or mass cytometry, HAI titer determination, and determination of cytokines/chemokines in samples using Luminex assay are available online (14). Additionally, protocol for immunophenotyping using mass cytometry was published in Leipold and Maecker (17). Phosphoflow assay using flow cytometry (for studies SLVP15, SLVP18, and SLVP21 from 2007 to 2011), was described in (15, 16) or using mass cytometry (for study SLVP21 in 2013) in (18). Luminex assay was described in (15, 16). The HAI assay was performed on sera from day 0 to day 28 using a well-established method (19) and was described before (2, 15).

All data used were analyzed and processed at the HIMC, as previously described (20), and uploaded to the Stanford Data Miner (21). Briefly, data from both Luminex assays were normalized at the plate level to mitigate batch and plate effects. The two median fluorescence intensity values for each sample for each analyte were averaged and then log-base 2 transformed. The Z-scores [(value – mean)/SD] were computed, with means and SDs computed for each analyte for each plate. Thus, units of measurement were Zlog2 for serum Luminex. For phospho-flow data acquired on flow cytometer, a fold change value was computed as the stimulated readout divided by the unstimulated readout (e.g., 90th percentile of median fluorescence intensity of CD4<sup>+</sup> pSTAT5 IFN- $\alpha$  stimulated/90th percentile of CD4<sup>+</sup> pSTAT5 unstimulated cells), whereas for data acquired using mass cytometry, a fold change was calculated by subtracting the arcsinh (intensity) between stimulated and unstimulated (arsinh stim – arcsinh unstim). For immunophenotyping using mass cytometer units of measurement were percentage of parent population.

### *Aggregation of data and generation of feature subsets*

The data from Stanford influenza datasets were obtained from HIMC Stanford Data Miner (21). Downloaded csv files were automatically imported to the MySQL database to facilitate further analysis, as described

(A. Tomic, I. Tomic, C.L. Dekker, H.T. Maecker, and M.M. Davis, manuscript posted on bioRxiv). Briefly, datasets were merged using shared variables, such as donor ID, study ID, gender, age, race, donor visit ID, visit year, experimental data (connected to donor visit ID), assay, name, and value of the measured analyte. The vaccine outcome was calculated using Ab titers evaluated by HAI. High responders were determined as individuals who have HAI Ab titer for all vaccine strains  $\geq 40$  and geometric mean (GeoMean) HAI fold change  $\geq 4$ . The fold change is calculated as follows: (GeoMean HAI Ab titer for all vaccine strains on day 28)/(GeoMean HAI Ab titer for all vaccine strains on day 0). To facilitate analysis, vaccine outcome was expressed as a binary value: high responders were given a value of 1, whereas low responders a value of 0.

To deal with missing values, in the first step of SIMON, we implemented a novel algorithm, *mulset*, that allows for faster generation of datasets with all possible combinations of features and donors across initial dataset. To efficiently compute shared features and quickly find similarities between donors, *mulset* algorithm generated a unique feature ID for each donor. Then, intersection between the IDs was used to identify shared variables. The identified, shared variables are then converted to unique shared features IDs using hash function. Finally, data were exported from the database according to the shared features. In total, *mulset* generated 45 different datasets. To generate reasonable number of datasets, we removed datasets with low numbers of donors and features (<5 features and <15 donors). However, this threshold is arbitrary and can be set higher, with maximum threshold of 40 donors per dataset. Datasets with <40 donors will be removed in the next step of the SIMON analysis (all datasets with <10 donors in the test set are removed). After applying that restriction, 11 datasets were deleted, and final analysis was performed on 34 datasets.

### *Overview of SIMON*

To identify baseline immune predictors that can discriminate between high and low responders following influenza vaccination, we applied SIMON. SIMON allows for dataset generation, feature subset selection, classification, evaluation of the classification performance, and determination of feature importance in the selected models. The SIMON was implemented in R programming language (22). First in SIMON, we automated the process of dataset generation using *mulset* algorithm as described above. Next, each dataset was partitioned into 75% training and 25% test set, with balanced class distribution of high and low responders using the function *createDataPartition* from the *Caret* package (23). Briefly, the dataset is split into groups based on percentiles, and sampling is done randomly within these subgroups in an attempt to balance the class distributions (23). To prevent evaluation of small test sets that would lead to misleading performance parameters, datasets with <10 donors in test sets were discarded. The threshold was determined based on the evaluation of the performance measures of the models built, where smaller size of test sets gave misleading higher performance of the models. Next, the model training using 128 machine learning algorithms suitable for classification training (Supplemental Table I) was initiated for each train dataset. Test sets were held out for evaluation of model performance on unseen datasets. This step was crucial to prevent overfitting. All algorithms were processed in an automated way through the *Caret* library (23). Each model was evaluated using 10-fold cross-validation (24) repeated three times. Additionally, performance of each model was evaluated on the test set that was held out before model training by calculating performance from a confusion matrix using available R package (25). Furthermore, contribution of each feature to the trained model was evaluated and variable importance score is calculated as described (23). All prediction metrics and performance variables are stored in the MySQL database for the final exploratory analysis. Detailed description of the overall processes is as follows.

**Model training and performance evaluation.** Each model was evaluated by calculating performance measures using the confusion matrix. Confusion matrix, or contingency table, is used to evaluate the performance of a classification model on a set of data for which the true values are known. The confusion matrix has four categories (Table I). True positives (TP) are cases in which the classification model predicted them to be high responders, and indeed, those cases were high responders, whereas true negatives (TN) correspond to cases correctly labeled as low responders. Finally, false negatives (FN) and false positives (FP) refer to low responders or high responders that were incorrectly labeled. From a confusion matrix, to evaluate classification models, we calculated following performance measures. Accuracy, a measure of how often the classifier is correct, was calculated as (TP + TN)/(total number of observations). Specificity, the proportion of actual negative cases (low responders) that were correctly identified was calculated as TN/(FP + TN), whereas sensitivity (also known as recall or TP rate), the proportion of actual positive cases (high responders) correctly labeled, was calculated



as TP/(TP + FN). To summarize the performance of classification models over all possible thresholds, we generated the receiver operating characteristic curve by plotting the sensitivity (y-axis) and the FP rate (the proportion of low responders misclassified as high responders), which was calculated as  $1 - \text{specificity}$  (x-axis). Finally, we calculated the area under the receiver operating characteristic curve (AUROC) using an R package (25) and used this measure to summarize the performance of the models. AUROC has values between 0 and 1, and higher values indicate better performance. A value of 0.5 indicates a random classifier, and this was used as a cutoff to remove classifiers that could not distinguish between high and low responders better than by random chance. In this study, 10-fold cross-validation was applied three times, the AUROC was calculated for each repeated iteration, and the average AUROC (and other measures) are reported as an overall quantitative estimate of classification performance. Additionally, before model training, the same seed for random number generator was applied (*set.seed* 1234). This resulted in the uniformity in which, for each model, same resamples were used for performance evaluation. From this, we compared models and evaluated which model was performing better in terms of AUROC values by comparing performance of the resampling distributions using functions described in the Caret (23).

**Independent evaluation of the trained model.** The performance of each model was additionally evaluated on the test set that was held out before training the model (25% of the dataset). The performance on the test set was evaluated exactly as described for the train set above. A confusion matrix was built and all the performance measures, including the AUROC, were computed as for the train set. Test AUROC was used to select models, in addition to train AUROC.

**Variable importance score.** Contribution of each feature to the model (i.e., variable importance score) was calculated using the Caret library (23). Briefly, evaluation of the variable importance was calculated directly from the model specific metrics, and the variable importance scores were scaled to have a maximum value of 100. Because in SIMON we used many different algorithms, the contribution of each feature to the model was estimated using the methods appropriate for each algorithm, as described in R packages (see reference list for the Supplemental Table I).

#### Feature selection using Boruta algorithm

To evaluate the all-relevant features for the selected top-performing models built on datasets 13 and 36, we used an R package Boruta (26). Boruta algorithm performs as a wrapper algorithm around Random Forest (26). The method is suitable for selection of all-relevant features, and this is accomplished by comparing original features' importance with importance achievable at random (estimated using permuted copies of the original features, called shadow features). In each iteration, Boruta removes irrelevant features and evaluates the performance of the model. Finally, analysis is finished either when all features are confirmed or rejected or when Boruta reaches a specified limit of runs. Boruta was performed using the following parameters: maximal number of importance source runs, *maxRuns* at 1000, and *pValue* confidence level 0.05; also, a multiple comparisons adjustment using Bonferroni method was applied (*mcAdj* set to TRUE), feature importance was obtained using Random Forest (function *getImpForns*), and, to ensure reproducibility of the results, we set the seed for the random number generator (*set.seed* 1337). Tentative features were also included returned in the Boruta results (*withTentative* argument was set to TRUE).

#### Peptide stimulation and intracellular cytokine staining using mass cytometry

Thawed PBMC were rested in X-VIVO 15 medium (Lonza) supplemented with 10% FCS and human serum AB (Sigma-Aldrich) for 2 d at  $10^7$  cells/ml in a 24-well plate following "RESTORE" protocol (27, 28). For stimulation assay,  $5 \times 10^6$  PBMC were seeded in 96-well V-bottom plates ( $10^6$  PBMC per well) and stimulated overnight (12–16 h) with the influenza overlapping peptide pool. Influenza peptide pool contained 483 peptides (20 mers with 11 aa overlap; Sigma-Aldrich) spanning the entire influenza proteome from the influenza strain A/California/07/2009 (dissolved in DMSO at 20 mg/ml, working concentration 0.2  $\mu$ g/ml per peptide) and 24 peptides with HLA-A\*0201 specificity (9–10 mers; Sigma-Aldrich) generated against influenza proteins (hemagglutinin, nucleocapsid protein, matrix protein 1, nonstructural protein 1 and 2) from the influenza strain A/California/07/2009 using prediction software NetCTL-1.2 (29) (dissolved in water or PBS/DMSO at 20 mg/ml, working concentration 2  $\mu$ g/ml/per peptide) (Supplemental Table II). In both assays, an unstimulated sample was prepared in which only medium without peptides containing 0.5% DMSO was added. Protein transport inhibitor mixture (eBioscience/Thermo Fisher Scientific) and Ab against CD107a were added at the beginning of the assay.

After peptide stimulations, PBMC were washed with the CyFACS buffer (PBS supplemented with 2% BSA, 2 mM EDTA, and 0.1% sodium azide) and stained with surface Ab mixture (Supplemental Table III), then filtered through 0.1- $\mu$ m spin filter with 20  $\mu$ l/sample of Fc block (Thermo Fisher Scientific) for 30 min at 4°C. After washing with CyFACS buffer, cells were incubated for 5 min at room temperature (RT) in  $1 \times$  PBS (Lonza) with 1:1000 diluted cisplatin (Fluidigm). Cells were then incubated for 1 h at RT (or left at 4°C overnight) in the iridium-intercalator solution in fixation and permeabilization buffer (BD Cytofix/Cytoperm; BD Biosciences). After washing with  $1 \times$  permeabilization buffer (BD Perm/Wash; BD Biosciences), cells were stained for 30 min at RT with intracellular Ab mixture diluted in  $1 \times$  permeabilization buffer (Supplemental Table III). Cells were fixed with BD Cytofix/Cytoperm and left overnight until analysis or immediately used for mass cytometry. Immediately before starting the analysis, cells were washed in CyFACS buffer, then PBS, and finally with Milli-Q water. Prior to data acquisition, cells were resuspended in Milli-Q water containing 1:10 diluted normalization beads (EQ Four Element Calibration Beads; Fluidigm) to the concentration of  $<8 \times 10^5$  cells/ml to achieve an acquisition rate of 400 events per s on the CyTOF Helios mass cytometer (Fluidigm). In each sample, 1–1.5 million cells were acquired. After acquisition, data were normalized with the reference EQ passport P13H2302 (30), and further data analysis was performed using FlowJo v10.

#### Statistical analysis

All the statistical parameters (sample size, statistical tests, and statistical significance) are reported in the figures and figure legends. Significance of differences in frequencies of the immune cell subsets between high and low responders in the datasets was calculated using the significance analysis of microarrays (SAM) (31) at false discovery rate (FDR)  $<1\%$ . Mass cytometry data between two groups after peptide stimulation were analyzed using the one-way ANOVA Kruskal–Wallis test followed by Dunn multiple comparison test, whereas paired samples within groups were compared with two-tailed Wilcoxon matched-pairs signed rank test. Additionally, pairwise *t* test with the Benjamini–Hochberg (B-H) correction for multiple testing adjustment with 0.95 confidence level was used to evaluate changes in the cell frequencies after vaccination within groups. Pearson correlation coefficient was used to evaluate the correlations between features from the top-performing models. The Corplot package in R was used to calculate correlation coefficients, statistics, and visualization of the correlation matrix (32). The *p* values were adjusted for multiple comparisons by using the B-H correction (33). Statistical analyses were performed with GraphPad PRISM 7.04 (Graph Pad Software) or in R, and *p* > 0.05 was considered nonsignificant.

#### Code and data availability

The source code of the *mulset* algorithm is available from <https://github.com/LogIN-/mulset>. The *mulset* is available as an R package in CRAN, a repository of open-source software. The source code, installation instructions, and data from the SIMON analysis are available from <https://github.com/LogIN-/simon-manuscript>. Raw data from the initial dataset used in SIMON analysis are available from a research data repository Zenodo (<https://zenodo.org/record/2578166#.XHWdibh7IPY>) (34). All models generated by SIMON are available at the Zenodo (<https://zenodo.org/record/2580416#.XHItLh7IPY>) (35). Mass cytometry fcs files related to Fig. 4 are also available at the Zenodo (<https://zenodo.org/record/1328286>) (36). The results from SIMON exploratory analysis are available online at <http://www.fluprint.com>.

## Results

### Preprocessing of data collected across different clinical studies

To test robustness of our approach, we used data from the Stanford HIMC. This data included 187 nominally healthy individuals between 8 and 40 y of age undergoing an annual influenza vaccination recruited over eight consecutive seasons, from 2007 to 2014, and five clinical studies (Fig. 1A). Blood samples were acquired before vaccination and on day 28 after vaccination. Over 3800 parameters were measured at baseline. This included 102 blood-derived immune cell subsets analyzed by mass cytometry (Supplemental Fig. 1, Supplemental Table IV). It also included the signaling capacity of over 30 immune cells subsets stimulated with seven conditions, which were evaluated by measuring the phosphorylation of nine proteins (Supplemental Table V). Additionally, up to 50 serum analytes were evaluated using Luminex bead arrays (Supplemental Table VI). On day 28 after vaccination, the serum

Table I. An example confusion matrix for a binary classifier

		Actual	
		Positive (high responder)	Negative (low responder)
Predicted	Positive (high responder)	TP	FN
	Negative (low responder)	FP	TN

titer of hemagglutinin-specific Abs against all vaccine strains was determined using the HAI, which is the best-defined correlate of influenza immunity induced by this vaccine (37). The HAI Ab titers were calculated as the fold change between the HAI titer at day 28 relative to the baseline titer. High and low responders were determined using metrics defined by the US Centers for Disease Control and Prevention to evaluate influenza vaccine efficacy: seroconversion and seroprotection (38). Individuals were considered to be high responders if they had a protective HAI Ab titer to all vaccine strains (HAI Ab titer  $\geq 40$ ) and if they seroconverted (GeoMean HAI titer  $\geq 4$ ).

Out of 187 analyzed donors, 64 were identified as high responders and 123 as low responders (Fig. 1B). Overall, there were no major differences in the age, gender, or study year between the high and low responders (Supplemental Fig. 2). The only exception was that a higher proportion of adolescents were high responders, which is in line with published data (39) (Supplemental Fig. 2B).

#### Dealing with missing values using intersection function

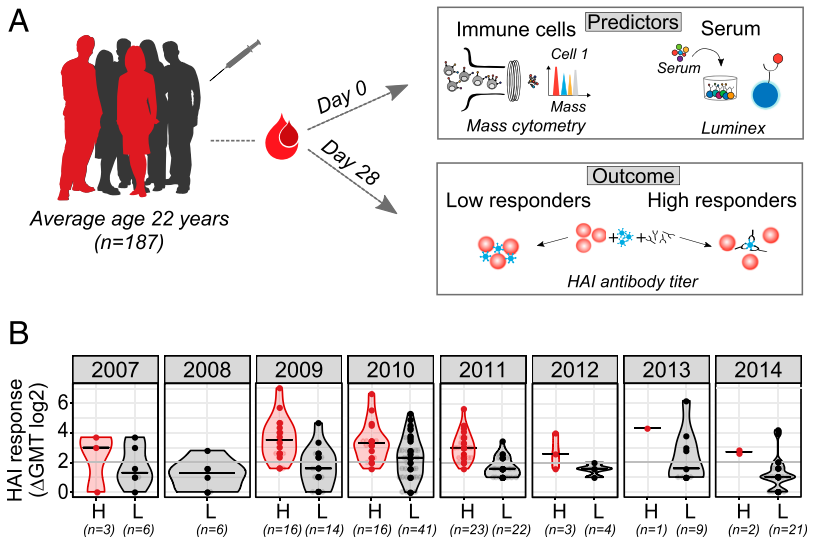
A major problem when using data across clinical studies and years is the lack of overlap between the features measured. Indeed, even though the data comes from a single facility, in many years there was an increase in the number of parameters measured, especially in the transition from FACS analysis (12–14 parameters) to mass cytometry (25–34 parameters). Because all assays were not performed across all studies and years (Supplemental Fig. 3), the percentage of missing values in the initial dataset was 93.2% (Supplemental Fig. 4). Such high data sparsity, which is commonly encountered in the clinical data, does not allow for straightforward statistical analysis. Therefore, we had to reduce the number of missing values. Researchers and data scientists deal with missing values either by deletion or by imputation of missing

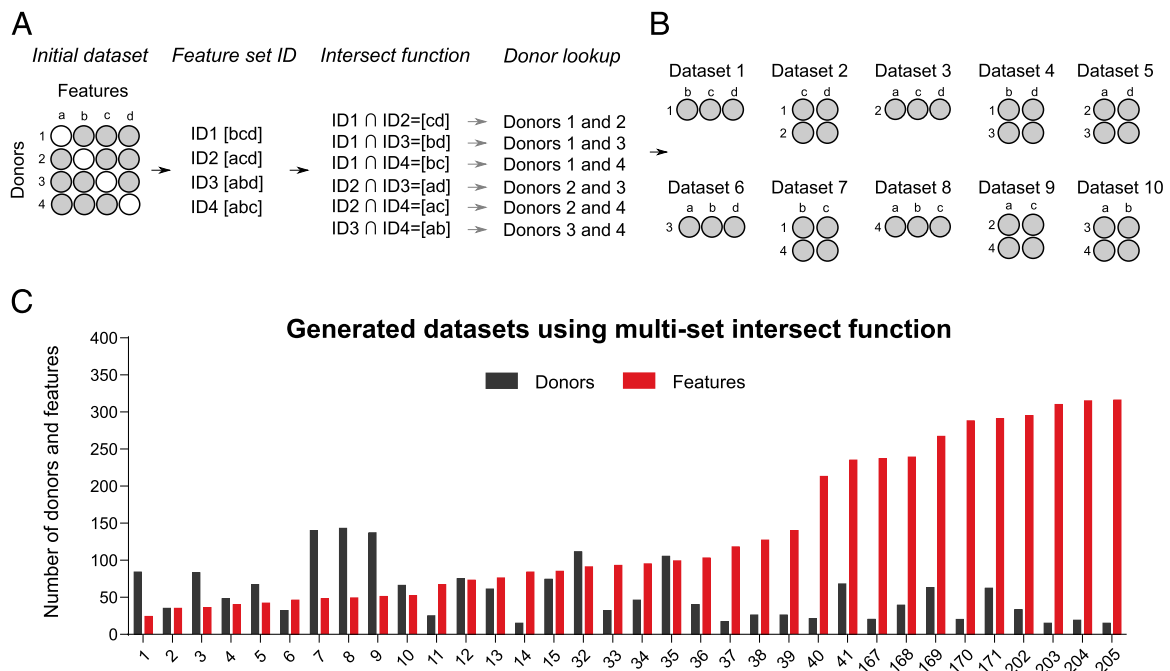
data (40). However, analysis of the missing data distribution revealed that when all studies were combined, the dataset had missing values in every column and every row, and many of the columns and rows had sparsity of 90% (Supplemental Table VII). Therefore, if we deleted either rows or columns, this would result in data with zero subjects. This approach was unsuitable. Additionally, effective imputation was strongly limited by the small number of cases that could be used as prior knowledge. Overall, we concluded that the high number of columns and rows with missing values made it impossible to use the whole dataset for further analysis.

Because this could be a very useful dataset for predictive modeling of influenza vaccine responses, we explored alternative ways to reduce the number of missing values. To ensure that interpretation of the initial dataset was preserved and so as not to introduce bias, we selected feature subsets from the original dataset without transformation by identification of the overlap (i.e., intersection) between multiple donors. We hypothesized that by using intersection, we could identify features shared across donors. Such a process could generate feature subsets that span an entire initial dataset. Additionally, it was expected that reducing the number of features would improve the performance of the model, such as was shown for random initial subset selection (41).

In the first step of SIMON, we implemented an algorithm, *mulset*, to identify features shared across donors and generate datasets containing all possible combinations of features and donors across the entire initial dataset. The proof-of-principle how *mulset* algorithm works and dataset generated are shown in the Fig. 2. The *mulset* was inspired by an approach commonly used in computer science to accelerate detection of duplicated records across large databases (42). By using the intersect function, we identified shared features between donors. These were converted to a unique shared feature ID using the hash function. This process allowed the rapid identification of donors with shared features and the generation of datasets that can be used in further analysis (Fig. 2A, 2B). The *mulset* algorithm calculated overlapping features between all donors, resulting in 34 datasets with different numbers of donors and features (Fig. 2C, Supplemental Table VIII). After applying the *mulset* algorithm, the dimensionality of the data were significantly reduced, because all generated datasets had a maximum of 300 shared features. This step was essential to avoid dealing with the datasets that suffer from “the curse of dimensionality” (43), that is, with increasing dimensionality (the number of features analyzed) we would need

**FIGURE 1.** Study design. **(A)** One hundred eighty-seven healthy donors (average age 22 y, range 8–40 y of age) were recruited across eight consecutive influenza seasons. Data acquired at the baseline (day 0) included phenotypical and functional state (phosphorylated proteins) of immune cells analyzed using flow or mass cytometry and serum analysis using Luminex assay. Individuals were labeled as high or low responders, depending on the HAI Ab titers determined on day 28 after vaccination. **(B)** HAI Ab responses to influenza vaccine strains in high (H, red) and low (L, gray) responders across years. Numbers below x-axis indicate the number of donors in each group. HAI responses are shown as GeoMean titer (GMT) calculated as a fold change between day 0 and day 28 after vaccination for all vaccine strains. Violin plots show distribution of individuals. The line shows the median. Seroconversion is defined as 4-fold increase in HAI titer for all vaccine strains (denoted by a gray line).





**FIGURE 2.** Automated feature subset generation using multiset intersect function. **(A)** Proof-of-principle showing how a multiset intersect function works on a hypothetical dataset with only four features and four donors. Missing values are indicated by white circles. Missing values are present in such a way that removal of either donors or features would result in no data for analysis. Using a multiset intersect function, the *mulset* algorithm identified shared feature sets between donors. First, for each donor, the algorithm determined the unique feature ID. Second, using the intersect function, it identified shared features, which were then converted to shared features ID using hash functions. Finally, the *mulset* algorithm searched the database and identified donors with shared feature sets. **(B)** In this hypothetical example, the *mulset* would generate 10 distinct datasets with distinct feature and donor numbers, as indicated. **(C)** The *mulset* algorithm generated 34 datasets from the initial dataset with indicated distribution of donors (black bars) and features (red bars).

more donors to achieve significance. Eleven of the generated datasets had a higher number of donors than features, with a maximum number of 143 donors that shared 49 features (Fig. 2C, Supplemental Table VIII, dataset 8). Such datasets have a higher statistical power for building more accurate machine learning models.

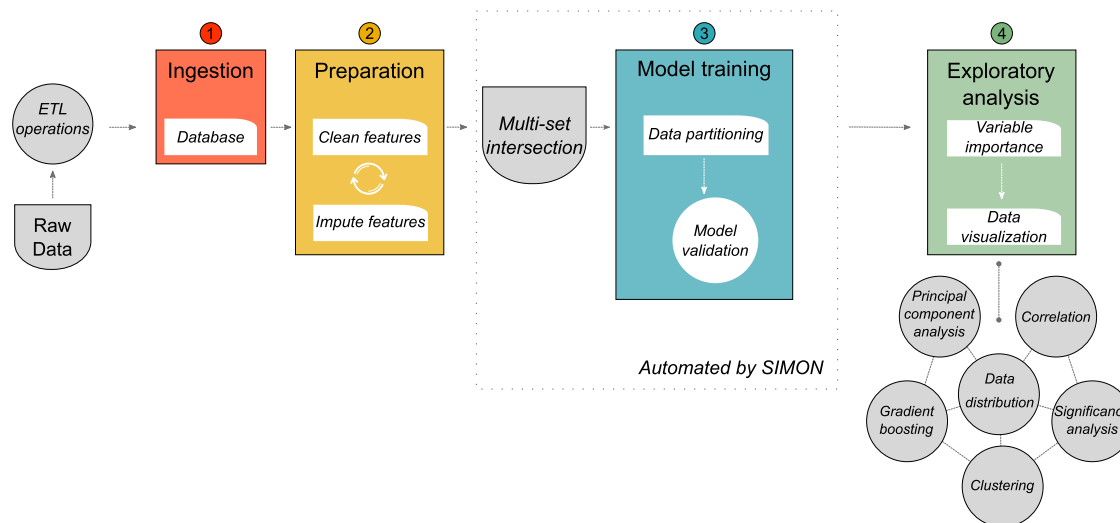
Overall, the first step in the SIMON produced more restricted datasets with higher data quality and reduced the number of features, making it possible to continue the data analysis.

#### Automating the machine learning process and feature selection

The next step, following data preprocessing, was to apply machine learning algorithms to extract patterns and knowledge from each of the 34 datasets. To select relevant features, we based our approach on the method for feature selection proposed by Kohavi and John (44). In the original approach, termed wrapper, feature subsets were selected using two families of algorithms: the decision trees and the naive Bayes (44). In this study, we build upon this approach by adding ensemble algorithms [of which Random Forest was previously shown to be suitable for feature selection (26)] and other dimensionality-reduction algorithms, such as discriminant analysis. It is widely recognized that a best algorithm for all datasets does not exist (45). Currently, choosing an appropriate algorithm is done through a trial-and-error approach, with only a few algorithms tested. To identify optimal algorithms more quickly and efficiently across a broad spectrum of possibilities, we implemented an automated machine learning process in SIMON.

SIMON is described briefly in Fig. 3. The feature subset selection was performed by testing multiple algorithms without any prior knowledge and user-defined parameters on each of the 34 datasets in a sequential and iterative manner. First, each dataset

was split into 75% training and 25% test sets, preserving balanced distribution of high and low responders, using the Caret package (23, 46) as described in the *Materials and Methods*. The training set was used for model training and feature selection. The accuracy of the feature selection was determined using a 10-fold cross-validation, which was shown to out-perform other resampling techniques for model selection (24). The test set was used for evaluating model performance on independent data not used in the model training. In general, it is most efficient to train the model on the entire dataset. However, in our case, it was important to have an independent test set to evaluate and then compare performance of the many models we expected to obtain. Additionally, evaluating model performance using only cross-validation is not sufficient to conclude that model can be applied to other datasets. There could be a problem with overfitting, such as when a model does not generalize well to unseen data. Second, a fully automated process of model training using 128 machine learning algorithms was done initially on the training set and repeated for each dataset. Supplemental Table I provides a list of all machine learning classification algorithms used. Each model was evaluated by calculating the performance parameters using the confusion matrix on the training and test sets. A confusion matrix calculates FP and FN, as well as TP and TN. This allows for more detailed analysis than accuracy, which only gives information about the proportion of correct classifications, and therefore can lead to misleading results (47). In SIMON, for each model, we calculated the proportion of actual positive cases that were correctly identified (i.e., sensitivity) and the proportion of correctly identified actual negative cases (i.e., specificity). All performance parameters were saved in the MySQL database. Finally, to compare the models and discover which performed best, we calculated an AUROC. This is a widely used measure of quality for the classification of models,



**FIGURE 3.** Automated feature selection and machine learning process integrated in SIMON. Before building a model, raw data were processed (cleaned, corrected, normalized, etc.) using extract-transform-load (ETL) operations, and the database was built. In the second step, new features were created from the existing data, GeoMean titer of the HAI response was calculated, and individuals were labeled as high or low responders. Third, datasets were generated using multiset intersection function. Each dataset was then used for model training in a fully automated machine learning process, implemented in SIMON. Briefly, before training started, each dataset was partitioned into training and test sets, which were excluded from the model-building phase. Finally, in the exploratory analysis, each model was evaluated based on its performance, and features were selected based on the importance score.

especially in biology (48). A random classifier that cannot distinguish between two groups has AUROC of 0.5, whereas AUROC for a perfect classifier that separates two groups without any overlap = 1.0 (49). Therefore, the training and test AUROC are reported throughout the text, and models are compared using that metric of performance.

To test the feasibility of SIMON, we ran more than 2400 machine learning analyses on 34 datasets. SIMON built models for 19 datasets, with an average of 54 models built per dataset (Supplemental Table IX). None of the 128 machine learning algorithms tested were able to build a model for 15 of the datasets. This indicates that those have poor data quality and distributions. Therefore, they were discarded from further analysis. With the remaining 19 datasets, models were built with the training AUROC values ranging from a minimum of 0.08 to a maximum of 0.92 (Supplemental Table IX). Overall, the automated machine learning process improved the performance of the models in all 19 datasets, with a gain of performance ranging from 30 to 91% (Supplemental Table IX). This indicates that SIMON facilitates the identification of optimal algorithms, which ultimately increases the performance of models.

#### Performance estimation and model selection

Before model comparison, other performance parameters were calculated, in addition to AUROC, and were used to filter out poorly performing models with the goal of facilitating further exploratory analysis. To remove random classifiers, all models with AUROC  $\leq 0.5$  on both training and test sets were discarded. Furthermore, all models in which specificity and sensitivity of both training and test sets were  $< 0.5$  (i.e., models with higher proportion of FP and FN values) were also removed. This restriction discarded models in which the classifier achieved high performance, as indicated by a high AUROC, at the cost of a high FP or FN rate (50, 51). After applying these filters, many models were removed, decreasing the average number of models per dataset to three (Supplemental Table X). Additionally, eight datasets were discarded. This filtering step was essential to remove models which would otherwise be falsely evaluated as high performing, such as those built using dataset 205, for which

a high AUROC of 0.92 was obtained at the expense of low specificity (0.06) (Supplemental Table IX).

To compare models within one dataset and discover which performs best, the random number seed was set before training with each algorithm. This ensured that each algorithm trained the model on the same data partitions and repeats. Further, it allowed for comparison of models using AUROC. In general, AUROC values between 0.9 and 1 are considered excellent, values 0.8–0.9 are considered good, 0.7–0.8 are considered fair, and values between 0.6 and 0.7 are considered as having poor discriminative ability (52). In SIMON, models trained on six datasets were built with fair discriminative ability (max. train AUROC between 0.7 and 0.8) (Supplemental Table X). To avoid overfitting, we additionally evaluated the performance of each model on the test set, which was not used for building the model. In this case, models trained on the three datasets were built with a fair discriminative ability (Supplemental Table XI, datasets 5, 13, and 171). One dataset (Supplemental Table XI, dataset 36) was built with a good discriminative ability (max. test AUROC 0.86), which could be generalized to an independent set. It should be noted that maximum AUROC values did not necessarily come from the same model (e.g., maximum train AUROC might come from model 1, whereas maximum test AUROC from model 2). To account for that, we add another filter to remove all models with poor discriminative ability, that is, all models in which the train and test AUROC were  $< 0.7$ . By applying this restriction, we were left with only two datasets (datasets 13 and 36). These were used for further analysis and feature selection. The model built on dataset 36, with the shrinkage discriminant analysis, out-performed the other four models as evaluated by comparison of train AUROC (Supplemental Fig. 5A, Supplemental Table XII). A model was built with train AUROC of 0.78, and it performed well on an independent test set (test AUROC 0.86). The model built on dataset 13 with the Naive Bayes performed better than the other model built for the same dataset (train AUROC 0.75, test AUROC 0.7) (Supplemental Fig. 5B, Supplemental Table XIII).

Overall, SIMON facilitated exploratory analysis and discovery of models with good discriminative performance by integrating the filtering steps and evaluating comprehensive model performance.



### Identification of all-relevant cellular predictors using SIMON

After selection of the best-performing models, we focused on feature selection. Our goal was to use SIMON to identify all-relevant features to deepen our knowledge about the process that drives Ab generation in response to influenza vaccination. To solve this problem, classifiers were used in SIMON to rank features based on their contribution to the model. Features were ranked depending on the variable importance score calculated for each model (23). The score ranges from 0 to 100. Features with variable importance score of 0 are not important for the classification model and can be removed from training the model.

First, we focused on the model built on dataset 13. In the dataset 13, 61 individuals were analyzed and 76 parameters were measured. Raw data from the dataset 13 are available as Supplemental Table XIV. Out of 61 donors, 17 were identified as high responders and 44 as low responders. Overall, there were no major differences in age distribution and gender (Supplemental Table XV). Out of 76 features, 64 had measurable variable importance score, and 15 features had variable importance score above 50 (Fig. 4A, Supplemental Table XVI). The top-ranked feature that highly contributed to this model was CD4<sup>+</sup> T cells with the CD127<sup>−</sup>CD25<sup>hi</sup> phenotype [described as regulatory T cells (Tregs) (53)] that expressed CD161 and CD45RA markers (Supplemental Table XVI, rank 1). The frequency of Tregs with CD161<sup>−</sup>CD45RA<sup>+</sup> phenotype was shown to be significantly greater among the high responders (Fig. 4B, FDR < 0.01). To further explain features that contributed to this model, we performed correlation analysis. Correlation analysis revealed that Tregs with CD161<sup>−</sup>CD45RA<sup>+</sup> phenotype had a significant positive correlation with the top-ranked feature, CD161<sup>+</sup>CD45RA<sup>+</sup> Tregs (Pearson  $r = 0.54$ ,  $p < 0.0001$  after multiple comparison adjustment using the B-H correction) (Supplemental Fig. 6). Additionally, CD161<sup>+</sup>CD45RA<sup>+</sup> Tregs had a weak, but significant, positive correlation with CD161<sup>+</sup> CD4<sup>+</sup> T cells (Pearson  $r = 0.08$ ,  $p = 0.001$  after multiple comparison adjustment using the B-H correction), which had high variable importance score (Supplemental Table XVI, rank 9). Such correlation indicated that these subsets might describe similar family of CD4<sup>+</sup> T cells contributing to the generation of Ab responses after influenza vaccination. Indeed, a recent study suggests that expression of CD161 marks a distinct family of human T cells with a distinct lineage and with innate-like capabilities (54).

To experimentally validate results from this model, we analyzed the phenotype and functionality of immune cells before and after vaccination in the independent samples from 14 individuals (7 high and 7 low responders). Individuals were age- and sex-matched (Supplemental Table XVII). We found that after stimulation with the influenza peptides, CD161<sup>+</sup> CD4<sup>+</sup> T cells from high, but not low, responders produced TNF- $\alpha$  in the samples prior to vaccination (Fig. 4C). This indicated that CD161<sup>+</sup> CD4<sup>+</sup> T cells from high responders had a pool of pre-existing influenza-specific T cells. Additionally, after vaccination, the frequency of CD161<sup>+</sup> CD4<sup>+</sup> T cells with a CCR6<sup>+</sup> CXCR3<sup>−</sup> (Th17) phenotype in high responders increased significantly (Fig. 4D).

The second most important feature in this model was CXCR5<sup>+</sup> CD8<sup>+</sup> T cells (also known as follicular cytotoxic T cells) (55–57) with a CCR6<sup>+</sup> CXCR3<sup>−</sup> (Tc17) phenotype (Supplemental Table XVI, rank 2). Frequencies of CXCR5<sup>+</sup> CD8<sup>+</sup> T cells with Tc17 were significantly increased among the high responders (Fig. 4B, FDR < 0.01). Additionally, frequencies of CXCR5<sup>+</sup> CD8<sup>+</sup> T cells with a CCR6<sup>−</sup> CXCR3<sup>−</sup> (Tc2) phenotype were also increased in the same group (Fig. 4B, FDR < 0.01). CXCR5<sup>+</sup> CD8<sup>+</sup> T cells with Tc2

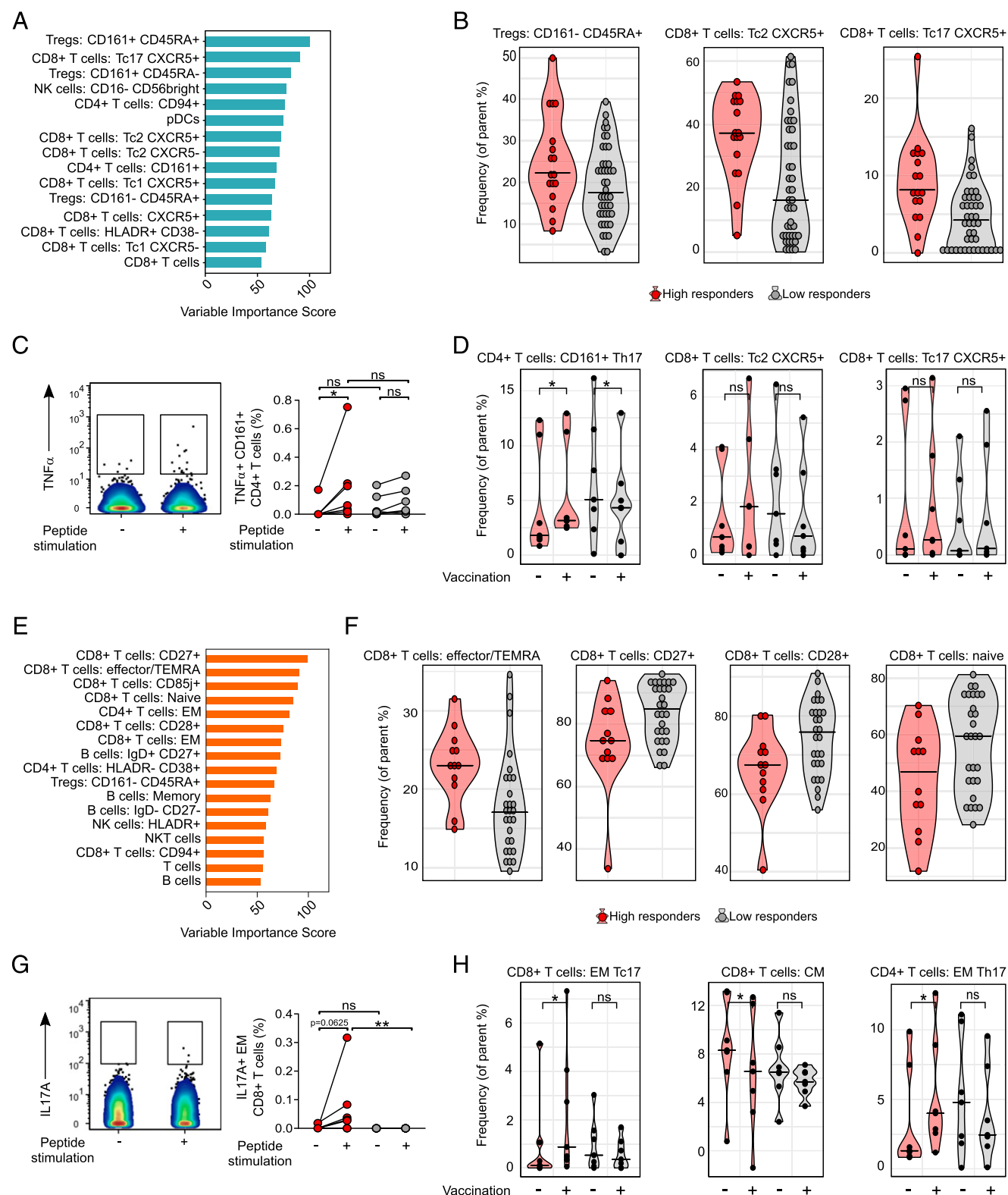
phenotype were also identified as important in this model (Supplemental Table XVI, rank 7) and had a significant positive correlation with Tc17 CXCR5<sup>+</sup> CD8<sup>+</sup> T cells (Pearson  $r = 0.66$ ,  $p < 0.0001$  after multiple comparison adjustment using the B-H correction) (Supplemental Fig. 6). However, analysis of the experimental data showed no significant participation of CXCR5<sup>+</sup> CD8<sup>+</sup> T cells in vaccine-induced responses, even though in a few of the high responders there was an increase of CXCR5<sup>+</sup> CD8<sup>+</sup> T cells with a Tc2 and Tc17 phenotype (Fig. 4D).

The results obtained in this model were confirmed using an R package, Boruta, that implements a novel feature selection algorithm for identifying all relevant features (26). CD127<sup>−</sup>CD25<sup>hi</sup> CD4<sup>+</sup> T cells with the CD161 expression and CXCR5<sup>+</sup> CD8<sup>+</sup> T cells with Tc2 or Tc17 phenotype were identified as important ( $p < 0.05$ , after multiple comparison adjustment using the Bonferroni method), confirming findings obtained by SIMON (Supplemental Fig. 7A).

Second, we explored the features selected in the better performing model built on dataset 36. The raw data from the 40 donors and 103 features analyzed in the dataset 36 are provided as the Supplemental Table XVIII. In total, dataset 36 was composed of 40 donors, of which 12 were high responders and 28 low responders. No major differences were observed in the characteristics of the donors in both groups (Supplemental Table XIX). Out of 103 features, 88 had measurable variable importance scores ranging from 5 to 100 (Supplemental Table XX). Of those, 17 features had a variable importance score above 50 (Fig. 4E), indicating a strong contribution for this classification model. Interestingly, the effector memory (EM) CD4<sup>+</sup> T cells, previously reported to correlate with Ab responses to influenza vaccine (58), were ranked in fifth place in our model. Moreover, B cells with memory phenotype, including a subset of IgD<sup>+</sup> CD27<sup>+</sup> memory B cells identified in previous studies (3, 8, 59), contributed to our model (Fig. 4E). Obtaining results supported by other studies gave us confidence in further analysis of our classification model. Importantly, the top four features identified have not previously been implicated as playing a major role in Ab responses to influenza vaccination, or indeed any Ab response. These included CD8<sup>+</sup> T cells with expression of CD27 or CD85j markers and CD8<sup>+</sup> T cells with varying degree of expression of CCR7 and CD45RA markers, described as naive, effector or terminally differentiated effector (TEMRA), and memory subsets (60). Analysis of the data particularly indicated that effector/TEMRA CD8<sup>+</sup> T cells increased significantly among high responders (Fig. 4F, FDR < 0.01). In contrast, low responders had significantly higher frequency of early CD27<sup>+</sup>/CD28<sup>+</sup> CD8<sup>+</sup> T cells and naive CD8<sup>+</sup> T cells (Fig. 4F, FDR < 0.01). Moreover, the effector/TEMRA CD8<sup>+</sup> T cells were confirmed to contribute to this model by Boruta ( $p < 0.05$ , after multiple comparison adjustment using the Bonferroni method) (Supplemental Fig. 7B).

The top four features that contributed the most to this model were CD8<sup>+</sup> T cells in early or late effector or memory states, indicating they might all be contributing to the influenza response through the same underlying mechanism. Indeed, correlation analysis showed that the top-ranked subset, CD27<sup>+</sup> CD8<sup>+</sup> T cells, had a significant correlation coefficient with other subsets (naive CD8<sup>+</sup> T cells  $r = 0.80$ , CD28<sup>+</sup> CD8<sup>+</sup> T cells  $r = 0.85$ , CD85j<sup>+</sup> CD8<sup>+</sup> T cells  $r = -0.69$ , effector/TEMRA CD8<sup>+</sup> T cells  $r = -0.61$ , and EM CD8<sup>+</sup> T cells  $r = -0.71$ ,  $p < 0.0001$  after multiple comparison adjustment using the B-H correction) (Supplemental Fig. 8). Additionally, a specific subset of CD8<sup>+</sup> T cells expressing NK cell-related receptor CD85j was identified as the TEMRA subset (61), whereas the expression of CD27 or CD28 was indicative of





**FIGURE 4.** SIMON identifies cellular signature associated with the successful generation of influenza immunity after vaccination. **(A)** Features with variable importance score above 50 from the model built on dataset 13 are shown. **(B)** Raw data confirmed by SAM analysis to be significantly changed in the donors from dataset 13 ( $n = 61$  from which high responders = 17 and low responders = 44), indicating frequency of cells (as a percentage of the parent population). **(C)** Representative plot showing TNF- $\alpha$  intracellular staining of CD161 $^{+}$  CD4 $^{+}$  T cells in the unstimulated (-) or influenza peptide pool (+)-stimulated PBMC from high responder obtained before vaccination. Graph on the right shows the frequency of TNF- $\alpha$  $^{+}$  CD161 $^{+}$  CD4 $^{+}$  T cells from high responders (red circles,  $n = 7$ ) and low responders (gray circles,  $n = 7$ ) in the samples before vaccination. Individual donors are connected with lines. **(D)** Violin plots show distribution of frequency of CD161 $^{+}$  CD4 $^{+}$  T cells and CXCR5 $^{+}$  CD8 $^{+}$  T with Tc2 and Tc17 phenotype in the PBMC samples derived from high (red,  $n = 7$ ) and low responders (gray,  $n = 7$ ) analyzed before vaccination (-) and on day 28 after vaccination (+). **(E)** Variable importance score of features selected in the model built on dataset 36 with score above 50. **(F)** Significant immune cell subsets selected by SAM analysis shown as raw data corresponding to donors from dataset 36 ( $n = 40$  from which high responders = 12 and low responders = 28), indicating frequency of cells (as percentage of parent population). **(G)** Representative plot showing IL-17A intracellular staining of EM CD8 $^{+}$  T cells in the unstimulated (-) (Figure legend continues)

the subsets of T cells with a naive or early differentiation phenotype (62).

In the analysis of the independent samples, EM CD8<sup>+</sup> T cells from high responders produced IL-17A after influenza peptide stimulation, demonstrating that this population contained influenza-specific T cells (Fig. 4G). Furthermore, the frequency of EM CD8<sup>+</sup> T cells with a Tc17 phenotype was significantly increased only in high responders after vaccination (Fig. 4H). Additionally, the frequency of EM CD4<sup>+</sup> T cells with Th17 phenotype was also increased in the same group of high responders after vaccination (Fig. 4H).

In summary, SIMON allowed us to identify both known and novel immune cell subsets that correlate with a robust Ab response to seasonal influenza vaccines. Particularly surprising was the number of different CD8<sup>+</sup> T cell subsets, which are not typically thought of as playing any role in promoting robust Ab responses. We confirmed that IL-17A-producing EM CD8<sup>+</sup> T cells, which contained a pool of pre-existing influenza T cells, were elevated in the high versus low responders with independent samples.

## Discussion

In this study, we developed a novel computational approach, SIMON, for the analysis of heterogeneous data collected across years and from heterogeneous datasets. SIMON increases the overall accuracy of predictive models by using an automated machine learning process and feature selection. Using the results obtained by SIMON, we identified previously unrecognized CD4<sup>+</sup> and CD8<sup>+</sup> T cell subsets associated with robust Ab responses to seasonal influenza vaccines.

The accuracy of the machine learning models presented in this work was improved in two stages. First, to interrogate the entire dataset across different clinical studies, we integrated into SIMON an algorithm, *mulset*, which generates datasets using multiset intersections. This is particularly suitable for data with many missing values. In our case, because of the high sparsity of initial dataset, this step was essential for the further analysis. In general, clinical datasets are often faced with the same problem, namely, that many features are measured on a small number of donors. Because of the rapid advance of immune monitoring technology, many more parameters in our studies were measured in the later years than earlier. The same situation might arise when combining data collected in different facilities. An alternative approach might be the imputation of the missing values, but this would likely introduce bias. Moreover, the major limitation of effective imputation is the number of cases that could be used as prior knowledge. The sparsity of our initial dataset was too high for effective imputation. By using intersections, SIMON selects feature subsets by preserving the interpretation of the initial dataset and without introduction of a bias. Overall, an automated feature intersection process increases statistical power by accounting for variability among different individuals. Potentially, it could be applied across clinical studies. Additionally, by reducing the number of features, this process avoids working with dataset that might suffer from the

curse of dimensionality, which ultimately improves the performance of models. This will be particularly important for the application of SIMON on larger publicly available datasets such as those stored in Gene Expression Omnibus repository (63) or ImmPort (64).

Second, finding the machine learning algorithm most suitable for specific data distribution allows for a better understanding of the data and provides much higher accuracy. The current state-of-the-art in building predictive models is to test several machine learning algorithms to find the optimal one. However, a single algorithm that fits all datasets does not exist. If an algorithm performs well on a certain dataset, it does not necessarily translate well to another dataset (even if it pertains to a closely related problem) (45). The overall accuracy of the predictive models depends on rigorous algorithm selection. With so many machine learning algorithms available, choosing the optimal one is a time-consuming task, often performed in a limited way (only dozens of algorithms are tested). Recent work has shown that automated machine learning can identify optimal algorithms more quickly and efficiently (65–67). Open competitions and crowdsourcing (e.g., <http://www.kaggle.com>), in which many groups contribute machine learning algorithms to build models for the same datasets, increase the accuracy and predictive performance of the models (68). By developing an automated machine learning process in SIMON, we can quickly identify the most appropriate machine learning algorithm (of the 128 tested) for any given dataset. Additionally, SIMON offers an alternative perspective on the application of algorithms that might never be used because of lack of expertise or knowledge necessary for their implementation. These features of SIMON also allow biologists with domain knowledge but who are not computationally adept to find the most effective tools with which to analyze their data.

In this study, we demonstrate the utility of SIMON and its automated machine learning processes to discover the principal features that correlate with high versus low influenza vaccine responders. We found it to be essential for identifying the best-performing models and extracting the most important features that contribute to those models. Performance of each model built in SIMON was automatically evaluated on both training and left-out test sets using well-known measures, such as AUROC, specificity, and sensitivity. This ensured that the model was not overfitted and that it could generalize to unseen data. Automating the entire process for model selection will be essential for future application of SIMON to bigger clinical datasets in which we would expect even greater number of models built. To optimize such high-throughput analysis application of strict filtering steps is necessary to avoid “cherry-picking” of the models. Here, both models were selected by stringent restrictions in the exploratory analysis and were built with AUROC scores between 0.7 and 0.9. Other models were discarded because exploration and characterization of features in those models would lead to identification of misleading results (FP and FN values). Because the goal of the study was to identify features that discriminate between high and low responders in a high-throughput manner, these models were built

or influenza peptide pool-stimulated (+) PBMC from high responders, obtained after vaccination. The graph on the right shows the frequency of IL-17A<sup>+</sup> EM CD8<sup>+</sup> T cells from high (red circles,  $n = 7$ ) and low (gray circles,  $n = 7$ ) responders in the samples after vaccination. (H) Violin plots show distribution of frequency of CD4<sup>+</sup> and CD8<sup>+</sup> T cells, with indicated phenotypes analyzed in the PBMC samples derived from high (red,  $n = 7$ ) and low responders (gray,  $n = 7$ ) before (–) and on day 28 after (+) vaccination. Graphs shown in (C), (D), (G), and (H) represent combined data from seven independent experiments. Violin plots show distribution of individuals. These are represented by red circles for high responders and gray circles for low responders. The line indicates the median. Statistical analysis between high and low responders was performed with one-way ANOVA Kruskal–Wallis test followed by Dunn multiple comparison test. Analysis within groups before and after vaccination was calculated using two-tailed Wilcoxon matched-pairs signed rank test. Significance in SAM analysis was considered at FDR < 0.01. \* $p < 0.05$ , \*\* $p < 0.01$ . ns, nonsignificant.

using the algorithms without any user-defined parameters. Therefore, each model could be fine-tuned, and its predictive performance might be increased. This could be of interest for researchers interested in building predictive models to identify features for use in diagnostic tests. In the future, we plan to improve SIMON by implementing an automated tuning process for each model.

This study demonstrated the advantage of SIMON over the conventional approach, in which one machine learning program is chosen by successfully identifying the immune signature driving influenza immunity. Some of our findings, such as the importance of EM CD4<sup>+</sup> T cells and subsets of memory B cells, had been identified in previous studies (2, 8, 9), serving to validate our approach. Additionally, SIMON has identified previously unappreciated T cell subsets that discriminate between high and low responders. It is well known that T cells, in contrast to Abs produced by cells of B lineage, have the ability to provide durable and cross-protective immunity by targeting internal conserved viral epitopes (69, 70). Therefore, the CD4<sup>+</sup> and CD8<sup>+</sup> T cell subsets identified in this study could be useful targets for the development of broadly protective influenza vaccines. Influenza-specific CD4<sup>+</sup> T cells have already been shown to be important for the generation of influenza immunity (71, 72). This was confirmed in the current study by showing that high responders had a pre-existing pool of influenza-specific CD4<sup>+</sup> T cells expressing CD161. Additionally, we found that CD8<sup>+</sup> T cells with an effector/TEMRA, EM and Tc17 phenotype and CXCR5 expression correlated with improved vaccine responses. These subsets are particularly interesting candidates and it will be of considerable interest to understand how they contribute to more robust Ab responses. CXCR5<sup>+</sup> CD8<sup>+</sup> T cells are enriched in the B cell follicles of germinal centers (56, 73), and they can promote B cell survival and Ab generation (57). CD8<sup>+</sup> T cells with a Tc17 phenotype have been detected in the lungs of mice challenged with influenza A virus (74). Using independent samples from donors who were not included in the building and testing of our model, we found that CD8<sup>+</sup> T cells from high responders contained influenza-specific cells with the ability to produce IL-17A in response to peptide stimulation. In a mouse model, IL-17A has been shown to be important for the generation of the Ab responses necessary to clear an influenza virus infection (75). This apparent role of IL-17A in the modulation of Ab responses and proper functioning of germinal centers has only recently been described (76). Interestingly, CD161<sup>+</sup> CD45RA<sup>+</sup> Tregs, the other subset we identified, have also been described as memory cells with the ability to produce IL-17A (77). Therefore, both cell types may provide IL-17A. To facilitate further exploration of immune cell subsets identified in the SIMON, we have created a Web site with freely available analysis summary (<http://www.fluprint.com>). Our Web site offers a valuable resource for other researchers to get insight about immune cell subsets and their participation in the generation of influenza immunity.

In this article, we demonstrate that a combination of systems biology tools, advances in the field of machine learning, and experimental investigation provides a new and more efficient way to gain biological insight from complex datasets, despite high sparsity.

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The authors have no financial conflicts of interest.

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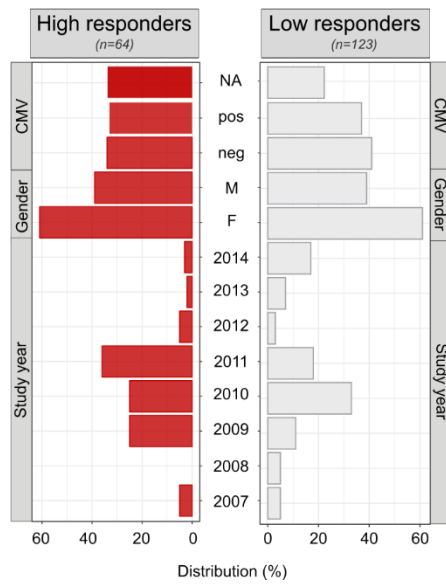
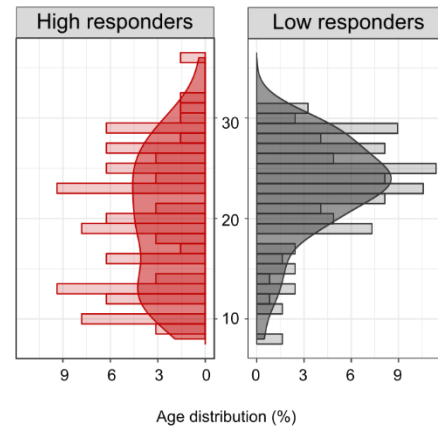


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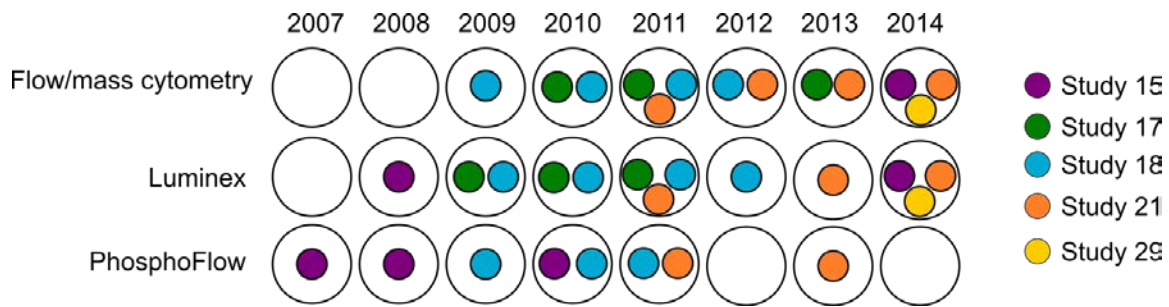
## Supplementary Materials:

**Figure S1. Staining profiles and gating scheme of immune cell subsets analyzed using mass cytometry.** Representative gating strategy for phenotype analysis of different blood-derived immune cell subsets analyzed using mass cytometry in the sample from one donor acquired before vaccination. In total PBMC from healthy 187 donors were analyzed using same gating scheme. Text above plots indicates parent population, while arrows show gating strategy defining major immune cell subsets (CD4+ T cells, CD8+ T cells, B cells, NK cells, Tregs, NKT cells, etc.).

**A****B**

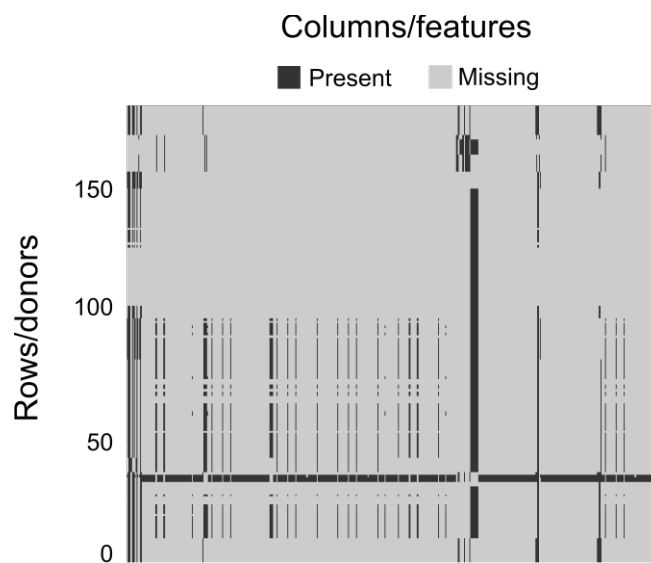
**Figure S2. Distribution of high and low responders included in the initial dataset.**

Distribution of individuals in groups of high (red, n=64) and low (grey, n=123) responders regarding the **(A)** CMV status, gender and study year. **(B)** Age distribution between high and low responders. Age is indicated in years.

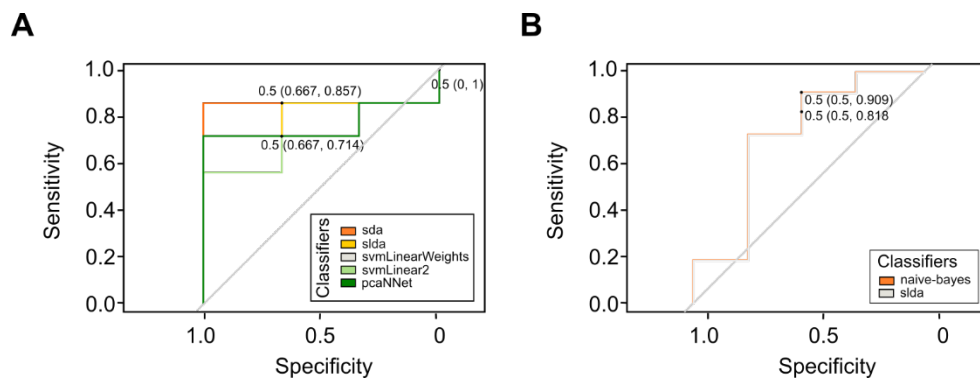


**Figure S3. Assays performed across different clinical studies and study years.** Data from 5 different clinical studies (Study 15, 17, 18, 21 and 29) were included in the analysis. Flow cytometry was performed only in year 2009, in other years phenotype of immune cells was determined by mass cytometry. Luminex (either 51/63-plex) was performed from 2008 to 2014. Finally, signaling capacity of immune cells was analyzed by phosphorylation cytometry (PhosphoFlow) on mass cytometer in 2013 and flow cytometer in all other years.



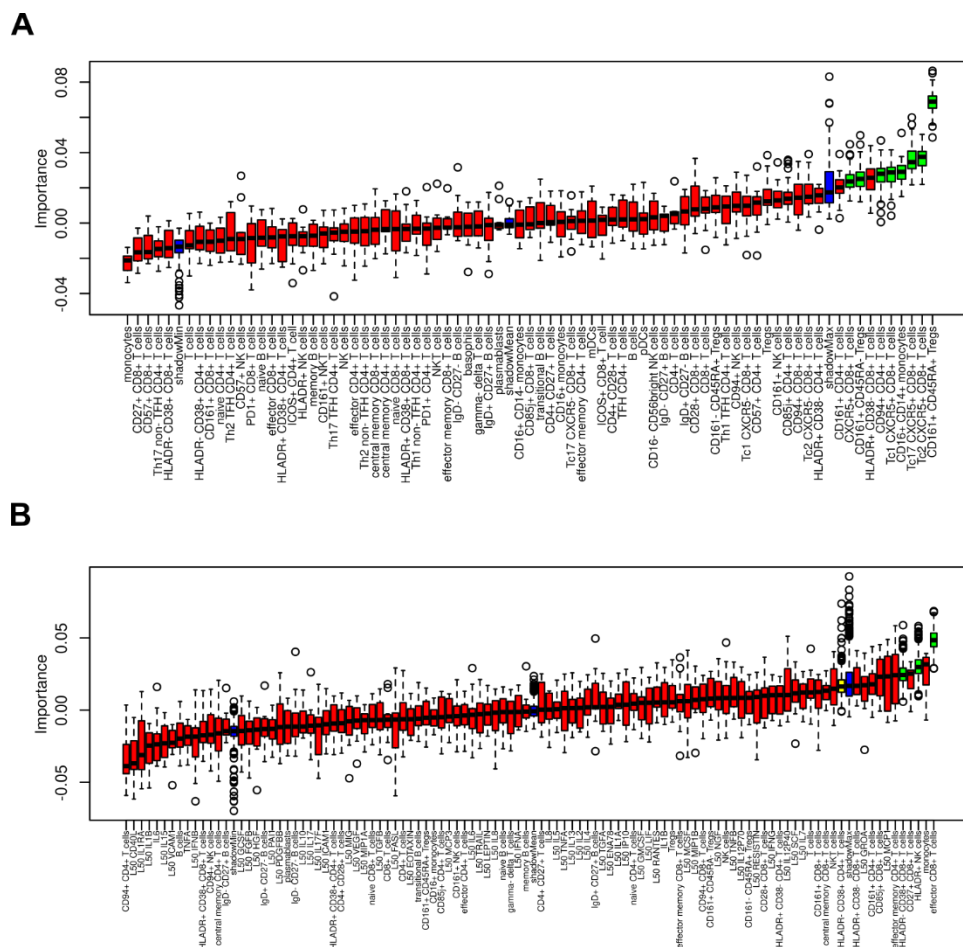


**Figure S4. Visualization of the initial dataset in the context of missing values.** Heatmap showing distribution of data in the initial dataset. Each row represents a unique donor, while each column is one feature. Missing values are shown in grey, while present values are shown in black.



**Fig. S5. Performance evaluation of models build on datasets 13 and 36 after applying restriction filters.** ROC curves shown for all the models build on **(A)** dataset 36 and **(B)** dataset 13. Each model (classifier) is denoted in the color indicated in the graph legend.





**Fig. S7. Importance of features determined by Boruta.** Boruta result plots for (A) dataset 13 and (B) dataset 36. Red boxplots represent importance score of rejected features, while green boxplots show importance score for confirmed features. Blue boxplots show importance score of shadow features. Yellow boxplots are tentative features. Each boxplot shows the distribution of data as minimum (Q1 -1.5\*IQR), first quartile (Q1), median (Q2), third quartile (Q3) and maximum (Q3+1.5\*IQR). Data outside of minimum and maximum values (outliers) are shown as circles. IQR, interquartile range.





**List of Supplementary Tables:**

Table S1. List of machine learning algorithms implemented in SIMON.

Table S2. List of peptides in the influenza peptide pool.

Table S3. Antibody panel for ICS mass cytometry.

Table S4. List of 102 analyzed immune cell subsets showing gating strategy.

Table S5. Immune cell subsets and phosphorylation of proteins identified using phosphorylated cytometry.

Table S6. Cytokines, chemokines and growth factors analyzed by Luminex.

Table S7. Sparsity calculated by column.

Table S8. 34 datasets generated using intersections.

Table S9. List of all models built and their minimal and maximal AUROC values.

Table S10. List of all models with minimal and maximal AUROC values after applying performance restriction filters.

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Table S17. Characteristics of individuals with high and low response to influenza vaccination used for experimental validations.

Table S18. Raw data from the dataset 36.

Table S19. Characteristics of individuals with high and low response to influenza vaccination selected in the dataset 36.

Table S20. List of features and their variable importance score in dataset 36.

### **Online Methods References**

#### **List of references of R packages used for Supplementary Table 1:**

1. Algorithm: ada Package: ada - Mark Culp, Kjell Johnson and George Michailidis (2016). ada: The R Package Ada for Stochastic Boosting. R package version 2.0-5. <https://CRAN.R-project.org/package=ada>
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5. Algorithm: amdai Package: adaptDA - Charles Bouveyron (2014). adaptDA: Adaptive Mixture Discriminant Analysis. R package version 1.0. <https://CRAN.R-project.org/package=adaptDA>
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7. Algorithm: awnb Package: caret - Max Kuhn. Contributions from Jed Wing, Steve Weston, Andre Williams, Chris Keefer, Allan Engelhardt, Tony Cooper, Zachary Mayer, Brenton Kenkel, the R Core Team, Michael Benesty, Reynald Lescarbeau, Andrew Ziem, Luca Scrucca, Yuan Tang, Can Candan and Tyler Hunt. (2017). caret: Classification and Regression Training. R package version 6.0-76. <https://CRAN.R-project.org/package=caret>
8. Algorithm: bag Package: caret - Max Kuhn. Contributions from Jed Wing, Steve Weston, Andre Williams, Chris Keefer, Allan Engelhardt, Tony Cooper, Zachary Mayer, Brenton Kenkel, the R Core Team, Michael Benesty, Reynald Lescarbeau, Andrew Ziem, Luca Scrucca, Yuan Tang, Can Candan and Tyler Hunt. (2017). caret: Classification and Regression Training. R package version 6.0-76. <https://CRAN.R-project.org/package=caret>
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10. Algorithm: bagEarth Package: earth - Stephen Milborrow. Derived from mda:mars by Trevor Hastie and Rob Tibshirani. Uses Alan Miller's Fortran utilities with Thomas Lumley's leaps wrapper. (2017). earth: Multivariate Adaptive Regression Splines. R package version 4.5.0. <https://CRAN.R-project.org/package=earth>
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17. Algorithm: blackboost Package: party - Torsten Hothorn, Kurt Hornik and Achim Zeileis (2006). Unbiased Recursive Partitioning: A Conditional Inference Framework. Journal of Computational and Graphical Statistics, 15(3), 651--674.
18. Algorithm: C5.0 Package: C50 - Max Kuhn, Steve Weston, Nathan Coulter and Mark Culp. C code for C5.0 by R. Quinlan (2015). C50: C5.0 Decision Trees and Rule-Based Models. R package version 0.1.0-24. <https://CRAN.R-project.org/package=C50>
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**Supplementary Table 1. List of machine learning algorithms implemented in SIMON.**

<b>Abbreviation</b>	<b>Machine learning algorithm</b>	<b>Reference (available in Supplementary Materials)</b>
<i>ada</i>	Boosted Classification Trees	1
<i>AdaBag</i>	Bagged AdaBoost	2
<i>AdaBoost.M1</i>	AdaBoost	3
<i>adaboost</i>	AdaBoost Classification Trees	4
<i>amdai</i>	Adaptive Mixture Discriminant Analysis	5
<i>avNNet</i>	Model Averaged Neural Network	6
<i>awnb</i>	Naive Bayes Classifier with Attribute Weighting	7
<i>awtan</i>	Tree Augmented Naive Bayes Classifier with Attribute Weighting	8
<i>bag</i>	Bagged Model	9
<i>bagEarth</i>	Bagged MARS	10
<i>bagEarthGCV</i>	Bagged MARS using gCV Pruning	11
<i>bagFDA</i>	Bagged Flexible Discriminant Analysis	12
<i>bagFDAGCV</i>	Bagged FDA using gCV Pruning	13
<i>bam</i>	Generalized Additive Model using Splines	14
<i>bayesglm</i>	Bayesian Generalized Linear Model	15
<i>binda</i>	Binary Discriminant Analysis	16
<i>blackboost</i>	Boosted Tree	17
<i>C5.0</i>	C5.0	18
<i>C5.0Rules</i>	Single C5.0 Ruleset	19
<i>C5.0Tree</i>	Single C5.0 Tree	20
<i>cforest</i>	Conditional Inference Random Forest	21
<i>chaid</i>	CHi-squared Automated Interaction Detection	22
<i>ctree</i>	Conditional Inference Tree	23
<i>ctree2</i>	Conditional Inference Tree	24
<i>dda</i>	Diagonal Discriminant Analysis	25
<i>dnn</i>	Stacked AutoEncoder Deep Neural Network	26
<i>dwdLinear</i>	Linear Distance Weighted Discrimination	27
<i>dwdPoly</i>	Distance Weighted Discrimination with Polynomial Kernel	28

<b>Abbreviation</b>	<b>Machine learning algorithm</b>	<b>Reference (available in Supplementary Materials)</b>
<i>dwdRadial</i>	Distance Weighted Discrimination with Radial Basis Function Kernel	29
<i>earth</i>	Multivariate Adaptive Regression Spline	30
<i>evtree</i>	Tree Models from Genetic Algorithms	31
<i>fda</i>	Flexible Discriminant Analysis	32
<i>gam</i>	Generalized Additive Model using Splines	33
<i>gamboost</i>	Boosted Generalized Additive Model	34
<i>gamLoess</i>	Generalized Additive Model using LOESS	35
<i>gaussprRadial</i>	Gaussian Process with Radial Basis Function Kernel	36
<i>gbm_h2o</i>	glmnet	37
<i>gbm</i>	Stochastic Gradient Boosting	38
<i>gcvEarth</i>	Multivariate Adaptive Regression Splines	39
<i>glm</i>	Generalized Linear Model	40
<i>glmboost</i>	Boosted Generalized Linear Model	41
<i>glmnet_h2o</i>	glmnet	42
<i>glmnet</i>	glmnet	43
<i>gpls</i>	Generalized Partial Least Squares	44
<i>hda</i>	Heteroscedastic Discriminant Analysis	45
<i>hdda</i>	High Dimensional Discriminant Analysis	46
<i>kernelpls</i>	Partial Least Squares	47
<i>kknn</i>	k-Nearest Neighbors	48
<i>knn</i>	k-Nearest Neighbors	49
<i>lda</i>	Linear Discriminant Analysis	50
<i>lda2</i>	Linear Discriminant Analysis	51
<i>Linda</i>	Robust Linear Discriminant Analysis	52
<i>loclda</i>	Localized Linear Discriminant Analysis	53
<i>logicBag</i>	Bagged Logic Regression	54
<i>LogitBoost</i>	Boosted Logistic Regression	55
<i>logreg</i>	Logic Regression	56
<i>manb</i>	Model Averaged Naive Bayes Classifier	57
<i>mda</i>	Mixture Discriminant Analysis	58

<b>Abbreviation</b>	<b>Machine learning algorithm</b>	<b>Reference (available in Supplementary Materials)</b>
<i>mlp</i>	Multi-Layer Perceptron	59
<i>mlpML</i>	Multi-Layer Perceptron, with multiple layers	60
<i>mlpWeightDecay</i>	Multi-Layer Perceptron	61
<i>mlpWeightDecayML</i>	Multi-Layer Perceptron, multiple layers	62
<i>monmlp</i>	Monotone Multi-Layer Perceptron Neural Network	63
<i>msaenet</i>	Multi-Step Adaptive MCP-Net	64
<i>multinom</i>	Penalized Multinomial Regression	65
<i>naive_bayes</i>	Naive Bayes	66
<i>nb</i>	Naive Bayes	67
<i>nbDiscrete</i>	Naive Bayes Classifier	68
<i>nbSearch</i>	Semi-Naive Structure Learner Wrapper	69
<i>nnet</i>	Neural Network	70
<i>nodeHarvest</i>	Tree-Based Ensembles	71
<i>ordinalNet</i>	Penalized Ordinal Regression	72
<i>ORFlog</i>	Oblique Random Forest	73
<i>ORFpls</i>	Oblique Random Forest	74
<i>ORFridge</i>	Oblique Random Forest	75
<i>ORFsvm</i>	Oblique Random Forest	76
<i>pam</i>	Nearest Shrunken Centroids	77
<i>pcaNNet</i>	Neural Networks with Feature Extraction	78
<i>pda</i>	Penalized Discriminant Analysis	79
<i>plr</i>	Penalized Logistic Regression	80
<i>pls</i>	Partial Least Squares	81
<i>plsRglm</i>	Partial Least Squares Generalized Linear Models	82
<i>polr</i>	Ordered Logistic or Probit Regression	83
<i>PRIM</i>	Patient Rule Induction Method	84
<i>qda</i>	Quadratic Discriminant Analysis	85
<i>QdaCov</i>	Robust Quadratic Discriminant Analysis	86
<i>ranger</i>	Random Forest	87
<i>rbf</i>	Radial Basis Function Network	88
<i>rbfDDA</i>	Radial Basis Function Network	89

<b>Abbreviation</b>	<b>Machine learning algorithm</b>	<b>Reference (available in Supplementary Materials)</b>
<i>rda</i>	Regularized Discriminant Analysis	90
<i>regLogistic</i>	Regularized Logistic Regression	91
<i>rf</i>	Random Forest	92
<i>rllda</i>	Regularized Linear Discriminant Analysis	93
<i>rmda</i>	Robust Mixture Discriminant Analysis	94
<i>rotationForest</i>	Rotation Forest	95
<i>rotationForestCp</i>	Rotation Forest	96
<i>rpart</i>	CART	97
<i>rpart1SE</i>	CART	98
<i>rpart2</i>	CART	99
<i>RRF</i>	Regularized Random Forest	100
<i>RRFglobal</i>	Regularized Random Forest	101
<i>rrlda</i>	Robust Regularized Linear Discriminant Analysis	102
<i>sda</i>	Shrinkage Discriminant Analysis	103
<i>sdwd</i>	Sparse Distance Weighted Discrimination	104
<i>simpls</i>	Partial Least Squares	105
<i>slda</i>	Stabilized Linear Discriminant Analysis	106
<i>sparseLDA</i>	Sparse Linear Discriminant Analysis	107
<i>stepLDA</i>	Linear Discriminant Analysis with Stepwise Feature Selection	108
<i>stepQDA</i>	Quadratic Discriminant Analysis with Stepwise Feature Selection	109
<i>svmBoundrangeString</i>	Support Vector Machines with Boundrange String Kernel	110
<i>svmExpoString</i>	Support Vector Machines with Exponential String Kernel	111
<i>svmLinear</i>	Support Vector Machines with Linear Kernel	112
<i>svmLinear2</i>	Support Vector Machines with Linear Kernel	113
<i>svmLinearWeights</i>	Linear Support Vector Machines with Class Weights	114
<i>svmPoly</i>	Support Vector Machines with Polynomial Kernel	115
<i>svmRadial</i>	Support Vector Machines with Radial Basis Function Kernel	116



<b>Abbreviation</b>	<b>Machine learning algorithm</b>	<b>Reference (available in Supplementary Materials)</b>
<i>svmRadialCost</i>	Support Vector Machines with Radial Basis Function Kernel	117
<i>svmRadialSigma</i>	Support Vector Machines with Radial Basis Function Kernel	118
<i>svmRadialWeights</i>	Support Vector Machines with Class Weights	119
<i>svmSpectrumString</i>	Support Vector Machines with Spectrum String Kernel	120
<i>tanSearch</i>	Tree Augmented Naive Bayes Classifier Structure Learner Wrapper	121
<i>treebag</i>	Bagged CART	122
<i>vbmpRadial</i>	Variational Bayesian Multinomial Probit Regression	123
<i>vglmAdjCat</i>	Adjacent Categories Probability Model for Ordinal Data	124
<i>vglmContRatio</i>	Continuation Ratio Model for Ordinal Data	125
<i>vglmCumulative</i>	Cumulative Probability Model for Ordinal Data	126
<i>widekernelpls</i>	Partial Least Squares	127
<i>wsrf</i>	Weighted Subspace Random Forest	128

**Supplementary Table 10. List of all models with minimal and maximal AUROC values after applying performance restriction filters.**

<b>Dataset ID</b>	<b>Number of models</b>	<b>Train AUROC (min)</b>	<b>Train AUROC (max)</b>	<b>Improvement (%)</b>
171	5	0.58	0.7	17.1
169	1	0.69	0.69	0.0
41	1	0.63	0.63	0.0
36	6	0.58	0.78	25.6
34	1	0.78	0.78	0.0
32	3	0.57	0.58	1.7
13	2	0.73	0.75	2.7
9	2	0.69	0.72	4.2
5	5	0.52	0.75	30.7
3	2	0.55	0.56	1.8
1	1	0.58	0.58	0.0
205	NULL	NULL	NULL	NULL
35	NULL	NULL	NULL	NULL
15	NULL	NULL	NULL	NULL
10	NULL	NULL	NULL	NULL
12	NULL	NULL	NULL	NULL
8	NULL	NULL	NULL	NULL
7	NULL	NULL	NULL	NULL
4	NULL	NULL	NULL	NULL

**Supplementary Table 13. All models built on dataset 13 after restriction filters applied.**

<b>Method</b>	<b>Train accuracy</b>	<b>Train AUROC</b>	<b>Test accuracy</b>	<b>Test AUROC</b>
<i>naive_bayes</i>	0.72	0.75	0.73	0.7
<i>slda</i>	0.68	0.73	0.8	0.7

**Supplementary Table 15. Characteristics of individuals with high and low response to influenza vaccination selected in the dataset 13.**

<i>Characteristics</i>	<b>HIGH RESPONDERS (n=17)</b>	<b>LOW RESPONDERS (n=44)</b>
<b>Age (y)</b>		
Mean $\pm$ SD	24 $\pm$ 4	23 $\pm$ 6.5
Median (range)	24 (18-31)	24 (9-36)
<b>Gender</b>		
Male (%)	8 (47%)	14 (32%)
Female (%)	9 (53%)	30 (68%)
<b>Study year</b>		
2011	11 (65%)	10 (23%)
2012	3 (18%)	4 (9%)
2013	1 (6%)	9 (20%)
2014	2 (11%)	21 (48%)

**Supplementary Table 17. Characteristics of individuals with high and low response to influenza vaccination used for experimental validations.**

<i>Characteristics</i>	<b>HIGH RESPONDERS (n=7)</b>	<b>LOW RESPONDERS (n=7)</b>
<b>Age (y)</b>		
Mean $\pm$ SD	26 $\pm$ 5	27 $\pm$ 3
Median (range)	28 (20-31)	27 (23-32)
<b>Gender</b>		
Male (%)	3 (43%)	3 (43%)
Female (%)	4 (57%)	4 (57%)

**Supplementary Table 19. Characteristics of individuals with high and low response to influenza vaccination selected in the dataset 36.**

<i>Characteristics</i>	<b>HIGH RESPONDERS (n=12)</b>	<b>LOW RESPONDERS (n=28)</b>
<b>Age (y)</b>		
Mean $\pm$ SD	22 $\pm$ 5	18 $\pm$ 5
Median (range)	22 (12-29)	18 (12-27)
<b>Gender</b>		
Male (%)	6 (50%)	15 (53%)
Female (%)	6 (50%)	13 (47%)
<b>Study year</b>	2010	

**Supplementary Table 2. List of peptides in the influenza peptide pool.**

<b>PB2:</b>		
Index	Start AA	Peptide Sequence
1	1	MERIKELRDLMSQSRTREIL
2	10	LMSQSRTREILTKTTVDHMA
3	19	ILTKTTVDHMAIIKKYTSGR
4	28	MAIIKKYTSGRQEKNPALRM
5	37	GRQEKNPALRMKWMAMRYP
6	46	RMKWMAMRYPITADKRIMD
7	55	YPITADKRIMDMIPERNEQG
8	64	MDMIPERNEQGQTLWSKTND
9	73	QGQTLWSKTNDAGSDRVMVS
10	82	NDAGSDRVMVSPLAVTWWRN
11	91	VSPLAVTWWRNRNGPTTSTVH
12	100	NRNGPTTSTVHYPKVYKTYF
13	109	VHYPKVYKTYFEKVERLKHG
14	118	YFEKVERLKHGTFGPVHFRN
15	127	HGTFGPVHFRNQVKIRRRVD
16	136	RNQVKIRRRVDNTPGHADLS
17	145	VDNTPGHADLSAKEAQDVIM
18	154	LSAKEAQDVIMEVVPNEVG
19	163	IMEVVPNEVGARILTSSEQ
20	172	VGARILTSSEQLAITKEKKE
21	181	SQLAITKEKKEELQDCKIAP
22	190	KEELQDCKIAPLMVAYMLER
23	199	APLMVAYMLERELVRKTRFL
24	208	ERELVRKTRFLPVAGGTGSV
25	217	FLPVAGGTGSVYIEVLHLTQ
26	226	SVYIEVLHLTQGTCWEQMYT
27	235	TQGTCWEQMYTPGGEVRNDD
28	244	YTPGGEVRNDDVDQSLIAA
29	253	DDVDQSLIAARNIVRRAAV
30	262	AARNIVRRAAVSADPLASLL
31	271	AVSADPLASLLEMCHSTQIG
32	280	LLEMCHSTQIGGVRMVDILR
33	289	IGGVRMVDILRQNPTEEQAV
34	298	LRQNPTEEQAVDICKAAIGL
35	307	AVDICKAAIGLRISSFSFG
36	316	GLRISSFSFGGFTFKRTSG
37	325	FGGFTFKRTSGSSVKKEEEV
38	334	SGSSVKKEEEVLTGNLQTLK
39	343	EVLGTGNLQTLKIRVHEGYEE
40	352	LKIRVHEGYEEFTMVGRRAT
41	361	EEFTMVGRRATAILRKATTR
42	370	ATAILRKATTRLIQLIVSGR



43	379	RRLIQLIVSGRDEQSIAEAI
44	388	GRDEQSIAEAIIVAMVFSQE
45	397	AIIVAMVFSQEDCMIKAVRG
46	406	QEDCMIKAVRGDLNFMVNRAN
47	415	RGDLNFMVNRANQRLNPMHQL
48	424	ANQRLNPMHQLLRHFQKDAK
49	433	QLLRHFQKDAKVLFQNWGIE
50	442	AKVLFQNWGIESIDNVMGMI
51	451	IESIDNVMGMIGILPDMTPS
52	460	MIGILPDMTPSTEMSLRGIR
53	469	PSTEMSLRGIRVSKMGVDEY
54	478	IRVSKMGVDEYSSTERVVVS
55	487	EYSSTERVVVSIDRFLRVRD
56	496	VSIDRFLRVRDQRGNVLLSP
57	505	RDQRGNVLLSPEEVSETQGT
58	514	SPEEVSETQGTEKLTITYSS
59	523	GTEKLTITYSSSMMWEINGP
60	532	SSSMMWEINGPESVLVNTYQ
61	541	GPESVLVNTYQWIIRNWEIV
62	550	YQWIIRNWEIVKIQWSQDPT
63	559	IVKIQWSQDPTMLYNKMEFE
64	568	PTMLYNKMEFEPFQSLVPA
65	577	FEPFQSLVPAKATRSRYSGFV
66	586	KATRSRYSGFVRTLFQQMRD
67	595	FVRTLFQQMRDVLGTFDVTQ
68	604	RDVLGTFDVTQIIKLLPFAA
69	613	VQIIKLLPFAAAPPEQSRMQ
70	622	AAAPPEQSRMQFSSLTVNVR
71	631	MQFSSLTVNVRGSGLRILVR
72	640	VRGSGLRILVRGNSPVFNYN
73	649	VRGNSPVFNYNKATKRLTVL
74	658	YNKATKRLTVLGKDAGALTE
75	667	VLGKDAGALTEDPDEGTSGV
76	676	TEDPDEGTSGVESAVLRGFL
77	685	GVESAVLRGFLILGKEDKRY
78	694	FLILGKEDKRYGPALSINEL
79	703	RYGPALSINELSNLAKGEKA
80	712	ELSNLAKGEKANVLIGQGDV
81	721	KANVLIGQGDVVLMKRKRDR
82	730	DVVLMKRKRDRDSSILTDSQT
83	739	RDSSILTDSQTATKRIRMAI

**PB1:**

Index

Start AA

Peptide Sequence

1

1

MDVNPTLLFLKIPAQNAIST

2	10	LKIPAQNAISTTFPYTGDPP
3	19	STTFPYTGDPPYSHGTGTGY
4	28	PPYSHGTGTGYTMDTVNRTH
5	37	GYTMDTVNRTHQYSEKGKWT
6	46	THQYSEKGKWTNTTETGAPQ
7	55	WTTNTETGAPQLNPIDGPLP
8	64	PQLNPIDGPLPEDNEPSGYA
9	73	LPEDNEPSGYAQTDCVLEAM
10	82	YAQTDCVLEAMAFLEESHPG
11	91	AMAFLEESHPGIFENSCLET
12	100	PGIFENSCLETMEVVQQTRV
13	109	ETMEVVQQTRVDKLTQGRQT
14	118	RVDKLTQGRQTYDWTLNRNQ
15	127	QTYDWTLNRNQPAATALANT
16	136	NQPAATALANTIEVFRSNGL
17	145	NTIEVFRSNGLTANESGRLI
18	154	GLTANESGRLIDFLKDVMES
19	163	LIDFLKDVMESMNKEEIEIT
20	172	ESMNKEEIEITTHFQRKRRV
21	181	ITTHFQRKRRVRDNMTKKMV
22	190	RVRDNMTKKMVTQRTIGKKK
23	199	MVTQRTIGKKKQRLNKRGYL
24	208	KKQRLNKRGYLIRALTLNTM
25	217	YLIRALTLNTMTKDAERGKL
26	226	TMTKDAERGKLKRRAIATPG
27	235	KLKRRAIATPGMQIRGFVYF
28	244	PGMQIRGFVYFVETLARSIC
29	253	YFVETLARSICEKLEQSGLP
30	262	ICEKLEQSGLPVGGNEKKAK
31	271	LPVGGNEKKAKLANVVRKMM
32	280	AKLANVVRKMMTNSQDTEIS
33	289	MMTNSQDTEISFTITGDNTK
34	298	ISFTITGDNTKWNENQNPRM
35	307	TKWNENQNPRMFLAMITYIT
36	316	RMFLAMITYITRNQPEWFRN
37	325	ITRNQPEWFRNILSMAPIMF
38	334	RNILSMAPIMFSNKMARLGK
39	343	MFSNKMARLGKGYMFESKRM
40	352	GKGYMFESKRMKIRTQIPAE
41	361	RMKIRTQIPAEMLASIDLKY
42	370	AEMLASIDLKYNFNESTKKKI
43	379	KYFNESTKKKIEKIRPLLID
44	388	KIEKIRPLLIDGTASLSPGM
45	397	IDGTASLSPGMMMGMFNMLS
46	406	GMMMGMFNMLSTVLGVSILN

47	415	LSTVLGVSILNLGQKKYTKT
48	424	LNLGQKKYTKTIYWWDGLQS
49	433	KTIYWWDGLQSSDDFALIVN
50	442	QSSDDFALIVNAPNHEGIQA
51	451	VNAPNHEGIQAGVDRFYRTC
52	460	QAGVDRFYRTCKLVGINMSK
53	469	TCKLVGINMSKKKSYINKTG
54	478	SKKKSYINKTGTTFEFTSFFY
55	487	TGTFEFTSFFYRYGFVANFS
56	496	FYRYGFVANFSMELPSFGVS
57	505	FSMELPSFGVSGVNESADMS
58	514	VSGVNESADMSIGVTVIKNN
59	523	MSIGVTVIKNNMINNDLGPA
60	532	NNMINNDLGPATAQMALQLF
61	541	PATAQMALQLFIKDYRYTYR
62	550	LFIKDYRYTYRCHRGDTQIQ
63	559	YRCHRGDTQIQTRRSFELKK
64	568	IQTRRSFELKKLWDQTQSKV
65	577	KKLWDQTQSKVGLLVSDGGP
66	586	KVGLLVSDGGPNLYNIRNLH
67	595	GPNLYNIRNLHIPEVCLKWE
68	604	LHIPEVCLKWELMDDDYRGR
69	613	WELMDDDYRGRLCNPLNPFV
70	622	GRLCNPLNPFVSHKEIDSVN
71	631	FVSHKEIDSVNNAVVMMPAHG
72	640	VNNAVVMMPAHGPAKSMEYDA
73	649	HGPAKSMEYDAVATTHSWIP
74	658	DAVATTHSWIPKRNRSILNT
75	667	IPKRNRSILNTSQRGILEDE
76	676	NTSQRGILEDEQMYQKCCNL
77	685	DEQMYQKCCNLFEKFFPSSS
78	694	NLFEKFFPSSSYRRPVGISS
79	703	SSYRRPVGISSMVEAMVSRA
80	712	SSMVEAMVSRARIDARVDFE
81	721	RARIDARVDFESGRIKKEEF
82	730	FESGRIKKEEFSEIMKICST
83	739	EEFSEIMKICSTIEELRRQK

**PA:**

Index	Start AA	Peptide Sequence
	1	1 MEDFVRQCFNPMIVELAXKA
	2	10 NPMIVELAXKAMKEYGEDPK
	3	19 KAMKEYGEDPKIETNKFAAI
	4	28 PKIETNKFAAICTHLEVCFM
	5	37 AICTHLEVCFMYSDFHFIDE

6	46	FMYSDFHFIDERGESIIVES
7	55	DERGESIIVESGDPNALLKH
8	64	ESGDPNALLKHRFEIIEGRD
9	73	KHRFEIIEGRDRIMAWTVVN
10	82	RDRIMAWTVVNSICNTTGVE
11	91	VNSICNTTGVEKPKFLPDLY
12	100	VEKPKFLPDLYDYKENRFIE
13	109	LYDYKENRFIEIGVTRREVVH
14	118	IEIGVTRREVHIYYLEKANK
15	127	VHIYYLEKANKIKSEKTHIH
16	136	NKIKSEKTHIHIFSFTGEEM
17	145	IHIFSFTGEEMATKADYTLD
18	154	EMATKADYTLDDESRARIKT
19	163	LDEESRARIKTRLFTIRQEM
20	172	KTRLFTIRQEMASRSLWDSF
21	181	EMASRSLWDSFRQSERGEET
22	190	SFRQSERGEETIEEKFEITG
23	199	ETIEEKFEITGTMRKLADQS
24	208	TGTMRKLADQSLPPNFPSLE
25	217	QSLPPNFPSLENFRAYVDGF
26	226	LENFRAYVDGFEPNGCIEGK
27	235	GFEPNGCIEGKLSQMSKEVN
28	244	GKLSQMSKEVNAKIEPFLRT
29	253	VNAKIEPFLRTTPRPLRLPD
30	262	RTTPRPLRLPDGPLCHQRSK
31	271	PDGPLCHQRSKFLMDALKL
32	280	SKFLMDALKLSIEDPSHEG
33	289	KLSIEDPSHEGEGIPLYDAI
34	298	EGEGIPLYDAIKCMKTFFGW
35	307	AIKCMKTFFGWKEPNIVKPH
36	316	GWKEPNIVKPHEKGINPNYL
37	325	PHEKGINPNYLMAWKQVLAE
38	334	YLMAWKQVLAELQDIENEEK
39	343	AELQDIENEEKIPRTKNMKR
40	352	EKIPRTKNMKRTSQLKWALG
41	361	KRTSQLKWALGENMAPEKVD
42	370	LGENMAPEKVDFDDCKDVGD
43	379	VDFDDCKDVGDLDKQYDSDEP
44	388	GDLKQYDSDEPEPRSLASWV
45	397	EPEPRSLASWVQNEFNKACE
46	406	WVQNEFNKACELTDSSWIEL
47	415	CELTDSWIELDEIGEDVAP
48	424	ELDEIGEDVAPIEHISMRR
49	433	APIEHISMRRNYFTAEVSH
50	442	RRNYFTAEVSHCRATEYIMK

51	451	SHCRATEYIMKGVYINTALL
52	460	MKGVYINTALLNASCAAMDD
53	469	LLNASCAAMDDFQLIPMISK
54	478	DDFQLIPMISKCRTKEGRRK
55	487	SKCRTKEGRRKTNLYGFIK
56	496	RKTNLYGFIKGRSHLRNDT
57	505	IKGRSHLRNDTDVVNFVSME
58	514	DTDVVNFVSMEFSLTDPRLE
59	523	MEFSLTDPRLEPHKWEKYCV
60	532	LEPHKWEKYCVLEIGDMLLR
61	541	CVLEIGDMLLRRTAIGQVSRP
62	550	LRTAIGQVSRPMFLYVRTNG
63	559	RPMFLYVRTNGTSKIKMKWG
64	568	NGTSKIKMKWGMEMRRCLLQ
65	577	WGMEMRRCLLQSLQQIESMI
66	586	LQSLQQIESMIEAESSVKEK
67	595	MIEAESSVKEKDMTKEFFEN
68	604	EKDMTKEFFENKSETWPIGE
69	613	ENKSETWPIGESPRGVEEGS
70	622	GESPRGVEEGSIGKVCRTLL
71	631	GSIGKVCRTLLAKSVFNLSLY
72	640	LLAKSVFNLSLYASPQLEGFS
73	649	LYASPQLEGFSAESRKLLLI
74	658	FSAESRKLLLIVQALRDNLE
75	667	LIVQALRDNLEPGTFDLGGL
76	676	LEPGTFDLGGLYEAIEECLI
77	685	GLYEAIEECLINDPWVLLNA
78	694	LINDPWVLLNASWFNSFLTH

# HA:

Index	Start AA	Peptide Sequence
	1	1 MKAILVVLLYTFATANADTL
2	10	10 YTFATANADTLCIGYHANN
3	19	19 TLCIGYHANNSTDVDTVLE
4	28	28 NSTDTVDTVLEKNVTVTHSV
5	37	37 LEKNVTVTHSVNLLEDKHNG
6	46	46 SVNLEDKHNGKLCKLRGVA
7	55	55 NGKLCKLRGVAPLHLGKCNI
8	64	64 VAPLHLGKCNIAGWILGNPE
9	73	73 NIAGWILGNPECESLSTASS
10	82	82 PECESLSTASSWSYIVETPS
11	91	91 SSWSYIVETPSSDNGTCYPG
12	100	100 PSSDNGTCYPGDFIDYEELR
13	109	109 PGDFIDYEELREQLSSVSSF
14	118	118 LREQLSSVSSFERFEIFPKT

15	127	SFERFEIFPKTSSWPNHDSN
16	136	KTSSWPNHDSNKGVTAAACPH
17	145	SNKGVTAAACPHAGAKSFYKN
18	154	PHAGAKSFYKNLIWLVKKGN
19	163	KNLIWLVKKGNSYPKLSKSY
20	172	GNSYPKLSKSYINDKGKEVL
21	181	SYINDKGKEVLVLWGIHHPS
22	190	VLVLWGIHHPSTSADQQSLY
23	199	PSTSADQQSLYQNADAYVHV
24	208	LYQNADAYVHVFGSSRYSKKF
25	217	FVGSSRYSKKFKPEIAIRPK
26	226	KFKPEIAIRPKVRGQEGRMN
27	235	PKVRGQEGRMNYYWTLVEPG
28	244	MNYYWTLVEPGDKITFEATG
29	253	PGDKITFEATGNLVVPRYAF
30	262	TGNLVVPRYAFAMERNAGSG
31	271	AFAMERNAGSGIIISDTPVH
32	280	SGIIISDTPVHDCNTTCQTP
33	289	VHDCNTTCQTPKGAINSTSLP
34	298	TPKGAINSTSLPFQNIHPITI
35	307	LPFQNIHPITIGKCPKYVKS
36	316	TIGKCPKYVKSTKLRLATGL
37	325	KSTKLRLATGLRNIPSIQSR
38	334	GLRNIPSIQSRGLFGAIAFG
39	343	SRGLFGAIAFGFIEGGWTGMV
40	352	GFIEGGWTGMVDGWYGYHHQ
41	361	MVDGWYGYHHQNEQGSYAA
42	370	HQNEQGSYAADLKSTQNAI
43	379	AADLKSTQNAIDEITNKVNS
44	388	AIDEITNKVNSVIEKMNTQF
45	397	NSVIEKMNTQFTAVGKEFNH
46	406	QFTAVGKEFNHLEKRIENLN
47	415	NHLEKRIENLNKKVDDGFLD
48	424	LNKKVDDGFLDIWTYNAELL
49	433	LDIWTYNAELLVLLNERTL
50	442	LLVLLNERTLDYHDSNVKN
51	451	TLDYHDSNVKNLYEKVRSQ
52	460	KNLYEKVRSQKNNAKEIGN
53	469	QKNNAKEIGNGCFEFYHKC
54	478	GNGCFEFYHKCDNTCMESVK
55	487	KCDNTCMESVKNGTYDYPKY
56	496	VKNGTYDYPKYSEEAKLNRE
57	505	KYSEEAKLNREEIDGVKLES
58	514	REEIDGVKLESTRIYQILAI
59	523	ESTRIYQILAIYSTVASSLV

60	532	AIYSTVASSLVLVVSLGAIS
61	541	LVLVVSLGAISFWMCSNGSL
62	550	LGAISFWMCSNGSLQCRICI

# NP:

Index	Start AA	Peptide Sequence
1	1	MASQGTKRSYEQMETGGERQ
2	10	YEQMETGGERQDATEIRASV
3	19	RQDATEIRASVGRMIGGIGR
4	28	SVGRMIGGIGRFYIQMCTEL
5	37	GRFYIQMCTELKLSDYDGRL
6	46	ELKLSDYDGRLIQNSITIER
7	55	RLIQNSITIERMVLSAFDER
8	64	ERMVLSAFDERRNKYLEEHP
9	73	ERRNKYLEEHPSAGKDPKKT
10	82	HPSAGKDPKKTGGPIYRRVD
11	91	KTGGPIYRRVDGKWMRELIL
12	100	VDGKWMRELILYDKQEIRRV
13	109	ILYDKQEIRRVWRLANNGED
14	118	RVWRLANNGEDATAGLTHIM
15	127	EDATAGLTHIMIWHSNLND
16	136	IMIWHSNLNDATYQRTRALV
17	145	DATYQRTRALVRTGMDPRMC
18	154	LVRTGMDPRMCSLMQGSTLP
19	163	MCSLMQGSTLPRRSGAAGAA
20	172	LPRRSGAAGAAVKGVGTIAM
21	181	AAVKGVGTIAMELIRMIKRG
22	190	AMELIRMIKRGINDRNFWRG
23	199	RGINDRNFWRGENGRRTRVA
24	208	RGENGRRTRVAYERMCNILK
25	217	VAYERMCNILKGKFQTAAQR
26	226	LKGKFQTAAQRAMMDQVRES
27	235	GRAMMDQVRESRNPNGNAEIE
28	244	ESRNPNGNAEIEDLIFLARSA
29	253	IEDLIFLARSALILRGsvAH
30	262	SALILRGsvAHKSCLPACVY
31	271	AHKSCLPACVYGLAVASGHD
32	280	VYGLAVASGHDFEREGYSLV
33	289	HDFEREGYSLVGIDPFKLLQ
34	298	LVGIDPFKLLQNSQVVSLMR
35	307	LQNSQVVSLMRPNENPAHKS
36	316	MRPNENPAHKSQVLVWMACHS
37	325	KSQLVWMACHSAAFEDLRVS
38	334	HSAAFEDLRVSSFIRGKKVI
39	343	VSSFIRGKKVIPRGKLSTRG



40	352	VIPRGKLSTRGVQIASNENV
41	361	RGVQIASNENVETMDSNTLE
42	370	NVETMDSNTLELRSRYWAIR
43	379	LELRSRYWAIRTRSGGNTNQ
44	388	IRTRSGGNTNQKASAGQIS
45	397	NQQKASAGQISVQPTFSVQR
46	406	ISVQPTFSVQRNLPFERATV
47	415	QRNLPFERATVMAAFSGNNE
48	424	TVMAAFSGNNEGRTSDMRTE
49	433	NEGRTSDMRTEVIRMMESAK
50	442	TEVIRMMESAKPEDLSFQGR
51	451	AKPEDLSFQGRGVFELSDEK
52	460	GRGVFELSDEKATNPVPSF
53	469	EKATNPVPSFDMSNEGSYF
54	478	SFDMSNEGSYFFGDNAEEYD

#### NA:

Index	Start AA	Peptide Sequence
1	1	MNPNQKIITIGSVCMTIGMA
2	10	IGSVCMTIGMANLILQIGNI
3	19	MANLILQIGNIISIWISHSI
4	28	NIISIWISHSIQLGNQNQIE
5	37	SIQLGNQNQIETCNQSVITY
6	46	IETCNQSVITYENNTWVNQT
7	55	TYENNTWVNQTYVNIISNTNF
8	64	QTYVNIISNTNFAAGQSVVSV
9	73	NFAAGQSVVSVKLAGNSSLC
10	82	SVKLAGNSSLCPVSGWAIYS
11	91	LCPVSGWAIYSKDNSVRIGS
12	100	YSKDNSVRIGSKGDVVFVIRE
13	109	GSKGDVVFVIREPFISCSPLE
14	118	REPFISCSPLECRTFFLTQG
15	127	LECRTFFLTQGALLNDKHSN
16	136	QGALLNDKHSNGTIKDRSPY
17	145	SNGTIKDRSPYRTLMSCPIG
18	154	PYRTLMSCPIGEVPSPYNSR
19	163	IGEVPSPYNSRFESVAWSAS
20	172	SRFESVAWSASACHDGINWL
21	181	ASACHDGINWLTIGISGPDN
22	190	WLTIGISGPDNGAVAVLKYN
23	199	DNGAVAVLKYNGIITDTIKS
24	208	YNGIITDTIKSWRNNILRTQ
25	217	KSWRNNILRTQESECACVNG
26	226	TQESECACVNGSCFTVMTDG
27	235	NGSCFTVMTDGPSNGQASYK

28	244	DGPSNGQASYKIFRIEKGKI
29	253	YKIFRIEKGKIVKSVEMNAP
30	262	KIVKSVEMNAPNYHYEECS
31	271	APNYHYEECS
32	280	SCYPDSSEITCVCRDNWHGS
33	289	TCVCRDNWHGSNRPWVSFNQ
34	298	GSNRPWVSFNQNLEYQIGYI
35	307	NQNLEYQIGYICSGIFGDN
36	316	YICSGIFGDNPRPNDKTGSC
37	325	NPRPNDKTGSCGPVSSNGAN
38	334	SCGPVSSNGANGVKGFSFKY
39	343	ANGVKGFSFKYGNGVWIGRT
40	352	KYGNGVWIGRTKSISSRNGF
41	361	RTKSISSRNGFEMIWDPNGW
42	370	GFEMIWDPNGWTGTDNNFSI
43	379	GWTGTDNNFSIKQDIVGINE
44	388	SIKQDIVGINEWSGYSGSFV
45	397	NEWSGYSGSFVQHPELTGLD
46	406	FVQHPELTGLDCIRPCFWVE
47	415	LDCIRPCFWVELIRGRPKEN
48	424	VELIRGRPKE
49	433	ENTIWTSGSSISFCGVNSDT
50	442	SISFCGVNSDTV
51	451	SDTVGWSWPDGAELPFTIDK

## MP2:

Index	Start AA	Peptide Sequence
1	1	MSLLTEVETPTRSEWECRCS
2	10	PTRSEWECRCS
3	19	CSDSSDPLVIAANIIGILHL
4	28	IAANIIGILHLILWITDR
5	37	HLILWITDR
6	46	LFFKCIYRRFKYGLKRG
7	55	FKYGLKRG
8	64	STEGVPESMREEYQQEQ
9	73	REEYQQEQSAVDVDDGH
10	82	QEQSAVDVDDGHFVNIE

## MP1:

Index	Start AA	Peptide Sequence
1	1	MSLLTEVETYVLSIIPSG
2	10	YVLSIIPSGPLKAEIAQR
3	19	PLKAEIAQRLESVFAGK
4	28	LESVFAGKNTDLEALME
5	37	TDLEALMEWLKTRPILS

6	46	LKTRPILSPLTKGILGFVFT
7	55	LTKGILGFVFTLTVPSERGL
8	64	FTLTVPSERGLQRRRFVQNA
9	73	GLQRRRFVQNALNGNGDPNN
10	82	NALNGNGDPNNMDRAVKLYK
11	91	NNMDRAVKLYKKLKREITFH
12	100	YKKLKREITFHGAKEVSLSY
13	109	FHGAKEVSLSYSTGALASCM
14	118	SYSTGALASCMGLIYNRMGT
15	127	CMGLIYNRMGTVTTEAAFGFL
16	136	GTVTTEAAFGFLVCATCEQIA
17	145	GLVCATCEQIADSQHRSHRQ
18	154	IADSQHRSHRQMATTNPLI
19	163	RQMATTNPLIRHENRMVLA
20	172	LIRHENRMVLA STTAKAMEQ
21	181	LASTTAKAMEQMAGSSEQAA
22	190	EQMAGSSEQAAEAMEVANQT
23	199	AAEAMEVANQTRQMVHAMRT
24	208	QTRQMVHAMRTIGTHPSSSA
25	217	RTIGTHPSSSAGLKDDLLEN
26	226	SAGLKDDLLENLQAYQKRMG
27	235	LLENLQAYQKRMGVQMQRFK

NEP:		
Index	Start AA	Peptide Sequence
1	1	MDSNTMSSFQDILMRMSKMQ
2	10	QDILMRMSKMQLGSSSEDLN
3	19	MQLGSSSEDLNGMVTRFESL
4	28	LNGMVTRFESLKIYRDSLGE
5	37	SLKIYRDSLGETVMRMGDLH
6	46	GETVMRMGDLHYLQSRNEKW
7	55	LHYLQSRNEKWREQLGQKFE
8	64	KWREQLGQKFEEIRWLIEM
9	73	FEEIRWLIEMRHRLKATEN
10	82	EMRHRLKATENSFEQITFMQ
11	91	ENSFEQITFMQALQLLLEVE
12	100	MQALQLLLEVEQEIRAFSFO

NS1:		
Index	Start AA	Peptide Sequence
1	1	MDSNTMSSFQVDCFLWHIRK
2	10	QVDCFLWHIRKRFADNGLGD
3	19	RKRFADNGLGDAPFLDRLRR
4	28	GDAPFLDRLRRDQKSLKGRG
5	37	RRDQKSLKGRGNTLGLDIET

6	46	RGNTLGLDIETATLVGKQIV
7	55	ETATLVGKQIVIEWILKEESS
8	64	IVEWILKEESSETLRMTIAS
9	73	SSETLRMTIASVPTSRYLSD
10	82	ASVPTSRYLSDMTLEEMSRD
11	91	SDMTLEEMSRDWFMLMPRQK
12	100	RDWFMLMPRQKIIGPLCVRL
13	109	QKIIGPLCVRLDQAIMEKNI
14	118	RLDQAIMEKNIVLKANFSVI
15	127	NIVLKANFSVIFNRLETLIL
16	136	VIFNRLETLILLRAFTEEGA
17	145	ILLRAFTEEGAIVGEISPLP
18	154	GAIVGEISPLPSLPGHTYED
19	163	LPSLPGHTYEDVKNAVGVLI
20	172	EDVKNAVGVLLIGGLEWNGNT
21	181	LIGGLEWNGNTVVRVSENIQR
22	190	NTVRVSENIQRFWRNCDEN
23	199	QRFWRNCDENGRPSLPPEQ

**HLA-A\*0201-restricted CD8+ T cell influenza peptides (9-10mers):**

Peptide Name	Peptide Sequence	Start AA
HA431	FLDIWITYNA	431
HA401	KMNTQFTAV	401
HA242	RMNYYWTLV	242
HA387	AIDEITNKV	387
HA344	GLFGAIAGFI	344
NP457	FQGRGVFEL	457
NP372	TMDSNTLEL	372
NP274	CLPACVYGL	274
NP47	KLSDYDGRL	47
NP157	GMDPRMCSL	157
MP1.2	LLTEVETYV	2
MP1.57	GILGFVFTL	57
MP1.163	QMATTNPL	163
MP1.50	ILSPLTKGIL	50
MP1.129	LIYNRMGTV	129
NS1.127	IVLKANFSV	127
NS1.154	AIVGEISPL	154
NS1.121	AIMEKNIVL	121
NS1.135	VIFNRLETL	135
NS2.98	FMQALQLLL	98
NS2.104	LLLEVEQEI	104
NS2.29	GMVTRFESL	29
NS2.49	MRMGDLHYL	49
NS2.4	TMSSFQDIL	4

**Supplementary Table 4. List of 102 immune cell subsets analyzed by mass cytometry showing gating strategy.**

Order	Analyte	Analyte specific
1	B cells	CD14-CD33-/CD3-/CD19+CD20+
2	basophils	CD123+HLADR-
3	CD16+ monocytes	CD14+CD33+/CD16+
4	CD16+CD14+ monocytes	CD14+CD33+/CD14+CD16+
5	CD16+CD14- monocytes	CD14+CD33+/CD14-CD16+
6	CD16- monocytes	CD14+CD33+/CD16-
7	CD16-CD56bright NK cells	CD14-CD33-/CD3-/CD56bright CD16-
8	CD161+ NK cells	CD14-CD33-/CD3-/CD16+CD56+/CD161+
9	CD161+ NKT cells	CD14-CD33-/CD3+CD56+/CD161+
10	CD161+CD4+ T cells	CD14-CD33-/CD3+/CD4+/CD161+
11	CD161+CD45RA+ Tregs	CD14-CD33-/CD3+/CD4+/CD25hiCD127low/CD161+CD45RA+
12	CD161+CD45RA- Tregs	CD14-CD33-/CD3+/CD4+/CD25hiCD127low/CD161+CD45RA-
13	CD161+CD8+ T cells	CD14-CD33-/CD3+/CD8+/CD161+
14	CD161- NK cells	CD14-CD33-/CD3-/CD16+CD56+/CD161-
15	CD161- NKT cells	CD14-CD33-/CD3+CD56+/CD161-
16	CD161-CD4+ T cells	CD14-CD33-/CD3+/CD4+/CD161-
17	CD161-CD45RA+ Tregs	CD14-CD33-/CD3+/CD4+/CD25hiCD127low/CD161-CD45RA+
18	CD161-CD45RA- Tregs	CD14-CD33-/CD3+/CD4+/CD25hiCD127low/CD161-CD45RA-
19	CD161-CD8+ T cells	CD14-CD33-/CD3+/CD8+/CD161-
20	CD20- CD3- lymphocytes	CD14-CD33-/CD3-/CD20-
21	CD27+CD8+ T cells	CD14-CD33-/CD3+/CD8+/CD27+
22	CD27-CD8+ T cells	CD14-CD33-/CD3+/CD8+/CD27-
23	CD28+CD8+ T cells	CD14-CD33-/CD3+/CD8+/CD28+
24	CD28-CD8+ T cells	CD14-CD33-/CD3+/CD8+/CD28-
25	CD4+ T cells	CD14-CD33-/CD3+/CD4+
26	CD4+CD27+ T cells	CD14-CD33-/CD3+/CD4+/CD27+
27	CD4+CD27- T cells	CD14-CD33-/CD3+/CD4+/CD27-

Order	Analyte	Analyte specific
28	CD4+CD28+ T cells	CD14-CD33-/CD3+/CD4+/CD28+
29	CD4+CD28- T cells	CD14-CD33-/CD3+/CD4+/CD28-
30	CD57+ NK cells	CD14-CD33-/CD3-/CD16+CD56+/CD57+
31	CD57+CD4+ T cells	CD14-CD33-/CD3+/CD4+CD8-/CD57+
32	CD57+CD8+ T cells	CD14-CD33-/CD3+/CD4-CD8+/CD57+
33	CD57- NK cells	CD14-CD33-/CD3-/CD16+CD56+/CD57-
34	CD57-CD4+ T cells	CD14-CD33-/CD3+/CD4+CD8-/CD57-
35	CD57-CD8+ T cells	CD14-CD33-/CD3+/CD4-CD8+/CD57-
36	CD8+ T cells	CD14-CD33-/CD3+/CD8+
37	CD85j+CD4+ T cells	CD14-CD33-/CD3+/CD4+/CD85j+
38	CD85j+CD8+ T cells	CD14-CD33-/CD3+/CD8+/CD85j+
39	CD85j-CD4+ T cells	CD14-CD33-/CD3+/CD4+/CD85j-
40	CD85j-CD8+ T cells	CD14-CD33-/CD3+/CD8+/CD85j-
41	CD94+ NK cells	CD14-CD33-/CD3-/CD16+CD56+/CD94+
42	CD94+CD4+ T cells	CD14-CD33-/CD3+/CD4+/CD94+
43	CD94+CD8+ T cells	CD14-CD33-/CD3+/CD8+/CD94+
44	CD94- NK cells	CD14-CD33-/CD3-/CD16+CD56+/CD94-
45	CD94-CD4+ T cells	CD14-CD33-/CD3+/CD4+/CD94-
46	CD94-CD8+ T cells	CD14-CD33-/CD3+/CD8+/CD94-
47	central memory CD4+ T cells	CD14-CD33-/CD3+/CD4+/CCR7+CD45RA-
48	central memory CD8+ T cells	CD14-CD33-/CD3+/CD8+/CCR7+CD45RA-
49	effector CD4+ T cells	CD14-CD33-/CD3+/CD4+/CCR7-CD45RA+
50	effector CD8+ T cells	CD14-CD33-/CD3+/CD8+/CCR7-CD45RA+
51	effector memory CD4+ T cells	CD14-CD33-/CD3+/CD4+/CCR7-CD45RA-
52	effector memory CD8+ T cells	CD14-CD33-/CD3+/CD8+/CCR7-CD45RA-
53	gamma-delta T cells	CD14-CD33-/TCRgd+

<b>Order</b>	<b>Analyte</b>	<b>Analyte specific</b>
<b>54</b>	HLADR+ NK cells	CD14-CD33-/CD3-/CD16+CD56+/HLADR+
<b>55</b>	HLADR+CD38+CD4+ T cells	CD14-CD33-/CD3+/CD4+/HLADR+CD38+
<b>56</b>	HLADR+CD38+CD8+ T cells	CD14-CD33-/CD3+/CD8+/HLADR+CD38+
<b>57</b>	HLADR+CD38-CD4+ T cells	CD14-CD33-/CD3+/CD4+/HLADR+CD38-
<b>58</b>	HLADR+CD38-CD8+ T cells	CD14-CD33-/CD3+/CD8+/HLADR+CD38-
<b>59</b>	HLADR- NK cells	CD14-CD33-/CD3-/CD16+CD56+/HLADR-
<b>60</b>	HLADR-CD38+CD4+ T cells	CD14-CD33-/CD3+/CD4+/HLADR-CD38+
<b>61</b>	HLADR-CD38+CD8+ T cells	CD14-CD33-/CD3+/CD8+/HLADR-CD38+
<b>62</b>	HLADR-CD38-CD4+ T cells	CD14-CD33-/CD3+/CD4+/HLADR-CD38-
<b>63</b>	HLADR-CD38-CD8+ T cells	CD14-CD33-/CD3+/CD8+/HLADR-CD38-
<b>64</b>	ICOS+CD4+ T cell	CD14-CD33-/CD3+/CD4+CD8-/ICOS+
<b>65</b>	ICOS+CD8+ T cell	CD14-CD33-/CD3+/CD4-CD8+/ICOS+
<b>66</b>	ICOS-CD4+ T cells	CD14-CD33-/CD3+/CD4+CD8-/ICOS-
<b>67</b>	ICOS-CD8+ T cells	CD14-CD33-/CD3+/CD4-CD8+/ICOS-
<b>68</b>	IgD+CD27+ B cells	CD14-CD33-/CD3-/CD19+CD20+/IgD+CD27+
<b>69</b>	IgD+CD27- B cells	CD14-CD33-/CD3-/CD19+CD20+/IgD+CD27-
<b>70</b>	IgD-CD27+ B cells	CD14-CD33-/CD3-/CD19+CD20+/IgD-CD27+
<b>71</b>	IgD-CD27- B cells	CD14-CD33-/CD3-/CD19+CD20+/IgD-CD27-
<b>72</b>	mDCs	Nonbasophils/Nonbasophil CD14-CD33-/Nonbasophil CD3-CD20-/Nonbasophil CD56-CD16-/mDCs
<b>73</b>	memory B cells	CD14-CD33-/CD3-/CD19+CD20+/CD24+CD38-
<b>74</b>	monocytes	CD14+CD33+
<b>75</b>	naive B cells	CD14-CD33-/CD3-/CD19+CD20+/CD24-CD38+

<b>Order</b>	<b>Analyte</b>	<b>Analyte specific</b>
<b>76</b>	naive CD4+ T cells	CD14-CD33-/CD3+/CD4+/CCR7+CD45RA+
<b>77</b>	naive CD8+ T cells	CD14-CD33-/CD3+/CD8+/CCR7+CD45RA+
<b>78</b>	NK cells	CD14-CD33-/CD3-/CD16+CD56+
<b>79</b>	NKT cells	CD14-CD33-/CD3+/CD56+
<b>80</b>	PD1+CD4+ T cells	CD14-CD33-/CD3+/CD4+CD8-/PD1+
<b>81</b>	PD1+CD8+ T cells	CD14-CD33-/CD3+/CD4-CD8+/PD1+
<b>82</b>	PD1-CD4+ T cells	CD14-CD33-/CD3+/CD4+CD8-/PD1-
<b>83</b>	PD1-CD8+ T cells	CD14-CD33-/CD3+/CD4-CD8+/PD1-
<b>84</b>	pDCs	Nonbasophils/Nonbasophil CD14-CD33-/Nonbasophil CD3-CD20-/Nonbasophil CD56-CD16-/pDCs
<b>85</b>	plasmablasts	CD14-CD33-/CD3-/CD20-/CD27+CD38+
<b>86</b>	T cells	CD14-CD33-/CD3+
<b>87</b>	TFH CD4+ T cells	CD14-CD33-/CD3+/CD4+CD8-/Non-naive CD4+/CXCR5+
<b>88</b>	CXCR5+ CD8+ T cells	CD14-CD33-/CD3+/CD4-CD8+/Non-naive CD8+/CXCR5+
<b>89</b>	Th1 non-TFH CD4+ T cells	CD14-CD33-/CD3+/CD4+CD8-/Non-naive CD4+/CXCR5-/CXCR3+CCR6-
<b>90</b>	Th1 CXCR5- CD8+ T cells	CD14-CD33-/CD3+/CD4-CD8+/Non-naive CD8+/CXCR5-/CXCR3+CCR6-
<b>91</b>	Th1 TFH CD4+ T cells	CD14-CD33-/CD3+/CD4+CD8-/Non-naive CD4+/CXCR5+/CXCR3+CCR6-
<b>92</b>	Th1 CXCR5+ CD8+ T cells	CD14-CD33-/CD3+/CD4-CD8+/Non-naive CD8+/CXCR5+/CXCR3+CCR6-
<b>93</b>	Th17 non-TFH CD4+ T cells	CD14-CD33-/CD3+/CD4+CD8-/Non-naive CD4+/CXCR5-/CXCR3-CCR6+
<b>94</b>	Th17 CXCR5- CD8+ T cells	CD14-CD33-/CD3+/CD4-CD8+/Non-naive CD8+/CXCR5-/CXCR3-CCR6+
<b>95</b>	Th17 TFH CD4+ T cells	CD14-CD33-/CD3+/CD4+CD8-/Non-naive CD4+/CXCR5+/CXCR3-CCR6+
<b>96</b>	Th17 CXCR5+ CD8+ T cells	CD14-CD33-/CD3+/CD4-CD8+/Non-naive CD8+/CXCR5+/CXCR3-CCR6+
<b>97</b>	Th2 non-TFH CD4+ T cells	CD14-CD33-/CD3+/CD4+CD8-/Non-naive CD4+/CXCR5-/CXCR3-CCR6-
<b>98</b>	Th2 CXCR5- CD8+ T cells	CD14-CD33-/CD3+/CD4-CD8+/Non-naive CD8+/CXCR5-/CXCR3-CCR6-
<b>99</b>	Th2 TFH CD4+ T cells	CD14-CD33-/CD3+/CD4+CD8-/Non-naive CD4+/CXCR5+/CXCR3-CCR6-
<b>100</b>	Th2 CXCR5+ CD8+ T cells	CD14-CD33-/CD3+/CD4-CD8+/Non-naive CD8+/CXCR5+/CXCR3-CCR6-
<b>101</b>	transitional B cells	CD14-CD33-/CD3-/CD19+CD20+/CD24+CD38+
<b>102</b>	Tregs	CD14-CD33-/CD3+/CD4+/CD25hiCD127low



**Supplementary Table 5. Immune cell subsets and phosphorylation of proteins identified using phosphorylated cytometry.**

Order	Analyte Generic Name	Analyte Specific Name	Stim
1	activated CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: IkBtot	IFNa
2	activated CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: IkBtot	IL-10
3	activated CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: IkBtot	IL-21
4	activated CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: IkBtot	IL-6
5	activated CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: IkBtot	IL-7
6	activated CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: IkBtot	LPS
7	activated CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: IkBtot	PMA_Iono
8	activated CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: IkBtot	Unstim
9	activated CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: Ki67	IFNa
10	activated CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: Ki67	IL-10
11	activated CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: Ki67	IL-21
12	activated CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: Ki67	IL-6
13	activated CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: Ki67	IL-7
14	activated CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: Ki67	LPS
15	activated CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: Ki67	PMA_Iono
16	activated CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: Ki67	Unstim
17	activated CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pCREB	IFNa
18	activated CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pCREB	IL-10
19	activated CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pCREB	IL-21
20	activated CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pCREB	IL-6
21	activated CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pCREB	IL-7
22	activated CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pCREB	LPS
23	activated CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pCREB	PMA_Iono
24	activated CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pCREB	Unstim
25	activated CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pErk1_2	IFNa
26	activated CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pErk1_2	IL-10
27	activated CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pErk1_2	IL-21
28	activated CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pErk1_2	IL-6
29	activated CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pErk1_2	IL-7
30	activated CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pErk1_2	LPS

Order	Analyte Generic Name	Analyte Specific Name	Stim
31	activated CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pErk1_2	PMA_Iono
32	activated CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pErk1_2	Unstim
33	activated CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pp38	IFNa
34	activated CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pp38	IL-10
35	activated CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pp38	IL-21
36	activated CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pp38	IL-6
37	activated CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pp38	IL-7
38	activated CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pp38	LPS
39	activated CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pp38	PMA_Iono
40	activated CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pp38	Unstim
41	activated CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pPLCg2	IFNa
42	activated CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pPLCg2	IL-10
43	activated CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pPLCg2	IL-21
44	activated CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pPLCg2	IL-6
45	activated CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pPLCg2	IL-7
46	activated CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pPLCg2	LPS
47	activated CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pPLCg2	PMA_Iono
48	activated CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pPLCg2	Unstim
49	activated CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT1	IFNa
50	activated CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT1	IL-10
51	activated CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT1	IL-21
52	activated CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT1	IL-6
53	activated CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT1	IL-7
54	activated CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT1	LPS
55	activated CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT1	PMA_Iono
56	activated CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT1	Unstim
57	activated CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT3	IFNa
58	activated CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT3	IL-10
59	activated CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT3	IL-21
60	activated CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT3	IL-6
61	activated CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT3	IL-7
62	activated CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT3	LPS

<b>Order</b>	<b>Analyte Generic Name</b>	<b>Analyte Specific Name</b>	<b>Stim</b>
<b>63</b>	activated CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT3	PMA_Iono
<b>64</b>	activated CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT3	Unstim
<b>65</b>	activated CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT5	IFNa
<b>66</b>	activated CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT5	IL-10
<b>67</b>	activated CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT5	IL-21
<b>68</b>	activated CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT5	IL-6
<b>69</b>	activated CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT5	IL-7
<b>70</b>	activated CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT5	LPS
<b>71</b>	activated CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT5	PMA_Iono
<b>72</b>	activated CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/CD38+ HLADR+: pSTAT5	Unstim
<b>73</b>	activated CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: IkBtot	IFNa
<b>74</b>	activated CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: IkBtot	IL-10
<b>75</b>	activated CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: IkBtot	IL-21
<b>76</b>	activated CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: IkBtot	IL-6
<b>77</b>	activated CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: IkBtot	IL-7
<b>78</b>	activated CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: IkBtot	LPS
<b>79</b>	activated CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: IkBtot	PMA_Iono
<b>80</b>	activated CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: IkBtot	Unstim
<b>81</b>	activated CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: Ki67	IFNa
<b>82</b>	activated CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: Ki67	IL-10
<b>83</b>	activated CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: Ki67	IL-21
<b>84</b>	activated CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: Ki67	IL-6
<b>85</b>	activated CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: Ki67	IL-7
<b>86</b>	activated CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: Ki67	LPS
<b>87</b>	activated CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: Ki67	PMA_Iono
<b>88</b>	activated CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: Ki67	Unstim
<b>89</b>	activated CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pCREB	IFNa
<b>90</b>	activated CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pCREB	IL-10
<b>91</b>	activated CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pCREB	IL-21
<b>92</b>	activated CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pCREB	IL-6
<b>93</b>	activated CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pCREB	IL-7
<b>94</b>	activated CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pCREB	LPS

Order	Analyte Generic Name	Analyte Specific Name	Stim
95	activated CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pCREB	PMA_Iono
96	activated CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pCREB	Unstim
97	activated CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pErk1_2	IFNa
98	activated CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pErk1_2	IL-10
99	activated CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pErk1_2	IL-21
100	activated CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pErk1_2	IL-6
101	activated CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pErk1_2	IL-7
102	activated CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pErk1_2	LPS
103	activated CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pErk1_2	PMA_Iono
104	activated CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pErk1_2	Unstim
105	activated CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pp38	IFNa
106	activated CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pp38	IL-10
107	activated CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pp38	IL-21
108	activated CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pp38	IL-6
109	activated CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pp38	IL-7
110	activated CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pp38	LPS
111	activated CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pp38	PMA_Iono
112	activated CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pp38	Unstim
113	activated CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pPLCg2	IFNa
114	activated CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pPLCg2	IL-10
115	activated CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pPLCg2	IL-21
116	activated CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pPLCg2	IL-6
117	activated CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pPLCg2	IL-7
118	activated CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pPLCg2	LPS
119	activated CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pPLCg2	PMA_Iono
120	activated CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pPLCg2	Unstim
121	activated CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT1	IFNa
122	activated CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT1	IL-10
123	activated CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT1	IL-21
124	activated CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT1	IL-6
125	activated CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT1	IL-7
126	activated CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT1	LPS

Order	Analyte Generic Name	Analyte Specific Name	Stim
127	activated CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT1	PMA_Iono
128	activated CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT1	Unstim
129	activated CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT3	IFNa
130	activated CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT3	IL-10
131	activated CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT3	IL-21
132	activated CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT3	IL-6
133	activated CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT3	IL-7
134	activated CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT3	LPS
135	activated CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT3	PMA_Iono
136	activated CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT3	Unstim
137	activated CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT5	IFNa
138	activated CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT5	IL-10
139	activated CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT5	IL-21
140	activated CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT5	IL-6
141	activated CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT5	IL-7
142	activated CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT5	LPS
143	activated CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT5	PMA_Iono
144	activated CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/CD38+ HLADR+: pSTAT5	Unstim
145	B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: IkBtot	IFNa
146	B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: IkBtot	IL-10
147	B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: IkBtot	IL-21
148	B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: IkBtot	IL-6
149	B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: IkBtot	IL-7
150	B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: IkBtot	LPS
151	B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: IkBtot	PMA_Iono

Order	Analyte Generic Name	Analyte Specific Name	Stim
152	B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: IkBtot	Unstim
153	B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: Ki67	IFNa
154	B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: Ki67	IL-10
155	B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: Ki67	IL-21
156	B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: Ki67	IL-6
157	B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: Ki67	IL-7
158	B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: Ki67	LPS
159	B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: Ki67	PMA_Iono
160	B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: Ki67	Unstim
161	B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pCREB	IFNa
162	B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pCREB	IL-10
163	B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pCREB	IL-21
164	B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pCREB	IL-6
165	B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pCREB	IL-7
166	B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pCREB	LPS
167	B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pCREB	PMA_Iono
168	B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pCREB	Unstim

Order	Analyte Generic Name	Analyte Specific Name	Stim
169	B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pErk1_2	IFNa
170	B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pErk1_2	IL-10
171	B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pErk1_2	IL-21
172	B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pErk1_2	IL-6
173	B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pErk1_2	IL-7
174	B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pErk1_2	LPS
175	B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pErk1_2	PMA_Iono
176	B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pErk1_2	Unstim
177	B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pp38	IFNa
178	B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pp38	IL-10
179	B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pp38	IL-21
180	B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pp38	IL-6
181	B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pp38	IL-7
182	B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pp38	LPS
183	B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pp38	PMA_Iono
184	B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pp38	Unstim
185	B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pPLCg2	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
186	B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pPLCg2	IL-10
187	B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pPLCg2	IL-21
188	B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pPLCg2	IL-6
189	B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pPLCg2	IL-7
190	B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pPLCg2	LPS
191	B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pPLCg2	PMA_Iono
192	B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pPLCg2	Unstim
193	B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT1	IFNa
194	B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT1	IL-10
195	B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT1	IL-21
196	B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT1	IL-6
197	B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT1	IL-7
198	B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT1	LPS
199	B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT1	PMA_Iono
200	B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT1	Unstim
201	B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT3	IFNa
202	B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT3	IL-10



Order	Analyte Generic Name	Analyte Specific Name	Stim
203	B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT3	IL-21
204	B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT3	IL-6
205	B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT3	IL-7
206	B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT3	LPS
207	B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT3	PMA_Iono
208	B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT3	Unstim
209	B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT5	IFNa
210	B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT5	IL-10
211	B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT5	IL-21
212	B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT5	IL-6
213	B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT5	IL-7
214	B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT5	LPS
215	B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT5	PMA_Iono
216	B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+: pSTAT5	Unstim
217	basophils: IkBtot	CD45++ CD66low/CD3-/CD123+HLADR- IkBtot	IFNa
218	basophils: IkBtot	CD45++ CD66low/CD3-/CD123+HLADR- IkBtot	IL-10
219	basophils: IkBtot	CD45++ CD66low/CD3-/CD123+HLADR- IkBtot	IL-21
220	basophils: IkBtot	CD45++ CD66low/CD3-/CD123+HLADR- IkBtot	IL-6
221	basophils: IkBtot	CD45++ CD66low/CD3-/CD123+HLADR- IkBtot	IL-7
222	basophils: IkBtot	CD45++ CD66low/CD3-/CD123+HLADR- IkBtot	LPS
223	basophils: IkBtot	CD45++ CD66low/CD3-/CD123+HLADR- IkBtot	PMA_Iono

<b>Order</b>	<b>Analyte Generic Name</b>	<b>Analyte Specific Name</b>	<b>Stim</b>
224	basophils: IkBtot	CD45++ CD66low/CD3-/CD123+HLADR- IkBtot	Unstim
225	basophils: Ki67	CD45++ CD66low/CD3-/CD123+HLADR-: Ki67	IFNa
226	basophils: Ki67	CD45++ CD66low/CD3-/CD123+HLADR-: Ki67	IL-10
227	basophils: Ki67	CD45++ CD66low/CD3-/CD123+HLADR-: Ki67	IL-21
228	basophils: Ki67	CD45++ CD66low/CD3-/CD123+HLADR-: Ki67	IL-6
229	basophils: Ki67	CD45++ CD66low/CD3-/CD123+HLADR-: Ki67	IL-7
230	basophils: Ki67	CD45++ CD66low/CD3-/CD123+HLADR-: Ki67	LPS
231	basophils: Ki67	CD45++ CD66low/CD3-/CD123+HLADR-: Ki67	PMA_Iono
232	basophils: Ki67	CD45++ CD66low/CD3-/CD123+HLADR-: Ki67	Unstim
233	basophils: pCREB	CD45++ CD66low/CD3-/CD123+HLADR-: pCREB	IFNa
234	basophils: pCREB	CD45++ CD66low/CD3-/CD123+HLADR-: pCREB	IL-10
235	basophils: pCREB	CD45++ CD66low/CD3-/CD123+HLADR-: pCREB	IL-21
236	basophils: pCREB	CD45++ CD66low/CD3-/CD123+HLADR-: pCREB	IL-6
237	basophils: pCREB	CD45++ CD66low/CD3-/CD123+HLADR-: pCREB	IL-7
238	basophils: pCREB	CD45++ CD66low/CD3-/CD123+HLADR-: pCREB	LPS
239	basophils: pCREB	CD45++ CD66low/CD3-/CD123+HLADR-: pCREB	PMA_Iono
240	basophils: pCREB	CD45++ CD66low/CD3-/CD123+HLADR-: pCREB	Unstim
241	basophils: pErk1_2	CD45++ CD66low/CD3-/CD123+HLADR-: pErk1_2	IFNa
242	basophils: pErk1_2	CD45++ CD66low/CD3-/CD123+HLADR-: pErk1_2	IL-10
243	basophils: pErk1_2	CD45++ CD66low/CD3-/CD123+HLADR-: pErk1_2	IL-21
244	basophils: pErk1_2	CD45++ CD66low/CD3-/CD123+HLADR-: pErk1_2	IL-6
245	basophils: pErk1_2	CD45++ CD66low/CD3-/CD123+HLADR-: pErk1_2	IL-7
246	basophils: pErk1_2	CD45++ CD66low/CD3-/CD123+HLADR-: pErk1_2	LPS
247	basophils: pErk1_2	CD45++ CD66low/CD3-/CD123+HLADR-: pErk1_2	PMA_Iono
248	basophils: pErk1_2	CD45++ CD66low/CD3-/CD123+HLADR-: pErk1_2	Unstim
249	basophils: pp38	CD45++ CD66low/CD3-/CD123+HLADR-: pp38	IFNa
250	basophils: pp38	CD45++ CD66low/CD3-/CD123+HLADR-: pp38	IL-10
251	basophils: pp38	CD45++ CD66low/CD3-/CD123+HLADR-: pp38	IL-21
252	basophils: pp38	CD45++ CD66low/CD3-/CD123+HLADR-: pp38	IL-6
253	basophils: pp38	CD45++ CD66low/CD3-/CD123+HLADR-: pp38	IL-7
254	basophils: pp38	CD45++ CD66low/CD3-/CD123+HLADR-: pp38	LPS
255	basophils: pp38	CD45++ CD66low/CD3-/CD123+HLADR-: pp38	PMA_Iono

<b>Order</b>	<b>Analyte Generic Name</b>	<b>Analyte Specific Name</b>	<b>Stim</b>
256	basophils: pp38	CD45++ CD66low/CD3-/CD123+HLADR-: pp38	Unstim
257	basophils: pPLCg2	CD45++ CD66low/CD3-/CD123+HLADR-: pPLCg2	IFNa
258	basophils: pPLCg2	CD45++ CD66low/CD3-/CD123+HLADR-: pPLCg2	IL-10
259	basophils: pPLCg2	CD45++ CD66low/CD3-/CD123+HLADR-: pPLCg2	IL-21
260	basophils: pPLCg2	CD45++ CD66low/CD3-/CD123+HLADR-: pPLCg2	IL-6
261	basophils: pPLCg2	CD45++ CD66low/CD3-/CD123+HLADR-: pPLCg2	IL-7
262	basophils: pPLCg2	CD45++ CD66low/CD3-/CD123+HLADR-: pPLCg2	LPS
263	basophils: pPLCg2	CD45++ CD66low/CD3-/CD123+HLADR-: pPLCg2	PMA_Iono
264	basophils: pPLCg2	CD45++ CD66low/CD3-/CD123+HLADR-: pPLCg2	Unstim
265	basophils: pSTAT1	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT1	IFNa
266	basophils: pSTAT1	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT1	IL-10
267	basophils: pSTAT1	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT1	IL-21
268	basophils: pSTAT1	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT1	IL-6
269	basophils: pSTAT1	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT1	IL-7
270	basophils: pSTAT1	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT1	LPS
271	basophils: pSTAT1	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT1	PMA_Iono
272	basophils: pSTAT1	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT1	Unstim
273	basophils: pSTAT3	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT3	IFNa
274	basophils: pSTAT3	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT3	IL-10
275	basophils: pSTAT3	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT3	IL-21
276	basophils: pSTAT3	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT3	IL-6
277	basophils: pSTAT3	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT3	IL-7
278	basophils: pSTAT3	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT3	LPS
279	basophils: pSTAT3	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT3	PMA_Iono
280	basophils: pSTAT3	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT3	Unstim
281	basophils: pSTAT5	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT5	IFNa
282	basophils: pSTAT5	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT5	IL-10
283	basophils: pSTAT5	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT5	IL-21
284	basophils: pSTAT5	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT5	IL-6
285	basophils: pSTAT5	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT5	IL-7
286	basophils: pSTAT5	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT5	LPS
287	basophils: pSTAT5	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT5	PMA_Iono

Order	Analyte Generic Name	Analyte Specific Name	Stim
288	basophils: pSTAT5	CD45++ CD66low/CD3-/CD123+HLADR-: pSTAT5	Unstim
289	CD14+ monocytes: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: IkBtot	IFNa
290	CD14+ monocytes: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: IkBtot	IL-10
291	CD14+ monocytes: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: IkBtot	IL-21
292	CD14+ monocytes: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: IkBtot	IL-6
293	CD14+ monocytes: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: IkBtot	IL-7
294	CD14+ monocytes: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: IkBtot	LPS
295	CD14+ monocytes: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: IkBtot	PMA_Iono
296	CD14+ monocytes: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: IkBtot	Unstim
297	CD14+ monocytes: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: Ki67	IFNa
298	CD14+ monocytes: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: Ki67	IL-10
299	CD14+ monocytes: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: Ki67	IL-21

Order	Analyte Generic Name	Analyte Specific Name	Stim
300	CD14+ monocytes: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: Ki67	IL-6
301	CD14+ monocytes: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: Ki67	IL-7
302	CD14+ monocytes: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: Ki67	LPS
303	CD14+ monocytes: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: Ki67	PMA_Iono
304	CD14+ monocytes: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: Ki67	Unstim
305	CD14+ monocytes: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pCREB	IFNa
306	CD14+ monocytes: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pCREB	IL-10
307	CD14+ monocytes: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pCREB	IL-21
308	CD14+ monocytes: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pCREB	IL-6
309	CD14+ monocytes: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pCREB	IL-7
310	CD14+ monocytes: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pCREB	LPS

Order	Analyte Generic Name	Analyte Specific Name	Stim
311	CD14+ monocytes: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pCREB	PMA_Iono
312	CD14+ monocytes: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pCREB	Unstim
313	CD14+ monocytes: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pErk1_2	IFNa
314	CD14+ monocytes: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pErk1_2	IL-10
315	CD14+ monocytes: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pErk1_2	IL-21
316	CD14+ monocytes: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pErk1_2	IL-6
317	CD14+ monocytes: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pErk1_2	IL-7
318	CD14+ monocytes: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pErk1_2	LPS
319	CD14+ monocytes: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pErk1_2	PMA_Iono
320	CD14+ monocytes: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pErk1_2	Unstim
321	CD14+ monocytes: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pp38	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
322	CD14+ monocytes: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pp38	IL-10
323	CD14+ monocytes: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pp38	IL-21
324	CD14+ monocytes: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pp38	IL-6
325	CD14+ monocytes: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pp38	IL-7
326	CD14+ monocytes: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pp38	LPS
327	CD14+ monocytes: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pp38	PMA_Iono
328	CD14+ monocytes: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pp38	Unstim
329	CD14+ monocytes: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pPLCg2	IFNa
330	CD14+ monocytes: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pPLCg2	IL-10
331	CD14+ monocytes: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pPLCg2	IL-21
332	CD14+ monocytes: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pPLCg2	IL-6

Order	Analyte Generic Name	Analyte Specific Name	Stim
333	CD14+ monocytes: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pPLCg2	IL-7
334	CD14+ monocytes: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pPLCg2	LPS
335	CD14+ monocytes: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pPLCg2	PMA_Iono
336	CD14+ monocytes: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pPLCg2	Unstim
337	CD14+ monocytes: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT1	IFNa
338	CD14+ monocytes: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT1	IL-10
339	CD14+ monocytes: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT1	IL-21
340	CD14+ monocytes: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT1	IL-6
341	CD14+ monocytes: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT1	IL-7
342	CD14+ monocytes: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT1	LPS
343	CD14+ monocytes: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT1	PMA_Iono



Order	Analyte Generic Name	Analyte Specific Name	Stim
344	CD14+ monocytes: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT1	Unstim
345	CD14+ monocytes: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT3	IFNa
346	CD14+ monocytes: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT3	IL-10
347	CD14+ monocytes: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT3	IL-21
348	CD14+ monocytes: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT3	IL-6
349	CD14+ monocytes: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT3	IL-7
350	CD14+ monocytes: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT3	LPS
351	CD14+ monocytes: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT3	PMA_Iono
352	CD14+ monocytes: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT3	Unstim
353	CD14+ monocytes: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT5	IFNa
354	CD14+ monocytes: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT5	IL-10

Order	Analyte Generic Name	Analyte Specific Name	Stim
355	CD14+ monocytes: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT5	IL-21
356	CD14+ monocytes: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT5	IL-6
357	CD14+ monocytes: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT5	IL-7
358	CD14+ monocytes: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT5	LPS
359	CD14+ monocytes: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT5	PMA_Iono
360	CD14+ monocytes: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD14+ Monos: pSTAT5	Unstim
361	CD16+ monocytes: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: IkBtot	IFNa
362	CD16+ monocytes: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: IkBtot	IL-10
363	CD16+ monocytes: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: IkBtot	IL-21
364	CD16+ monocytes: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: IkBtot	IL-6
365	CD16+ monocytes: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: IkBtot	IL-7

Order	Analyte Generic Name	Analyte Specific Name	Stim
366	CD16+ monocytes: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: IkBtot	LPS
367	CD16+ monocytes: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: IkBtot	PMA_Iono
368	CD16+ monocytes: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: IkBtot	Unstim
369	CD16+ monocytes: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: Ki67	IFNa
370	CD16+ monocytes: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: Ki67	IL-10
371	CD16+ monocytes: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: Ki67	IL-21
372	CD16+ monocytes: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: Ki67	IL-6
373	CD16+ monocytes: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: Ki67	IL-7
374	CD16+ monocytes: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: Ki67	LPS
375	CD16+ monocytes: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: Ki67	PMA_Iono
376	CD16+ monocytes: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: Ki67	Unstim

Order	Analyte Generic Name	Analyte Specific Name	Stim
377	CD16+ monocytes: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pCREB	IFNa
378	CD16+ monocytes: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pCREB	IL-10
379	CD16+ monocytes: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pCREB	IL-21
380	CD16+ monocytes: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pCREB	IL-6
381	CD16+ monocytes: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pCREB	IL-7
382	CD16+ monocytes: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pCREB	LPS
383	CD16+ monocytes: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pCREB	PMA_Iono
384	CD16+ monocytes: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pCREB	Unstim
385	CD16+ monocytes: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pErk1_2	IFNa
386	CD16+ monocytes: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pErk1_2	IL-10
387	CD16+ monocytes: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pErk1_2	IL-21

Order	Analyte Generic Name	Analyte Specific Name	Stim
388	CD16+ monocytes: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pErk1_2	IL-6
389	CD16+ monocytes: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pErk1_2	IL-7
390	CD16+ monocytes: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pErk1_2	LPS
391	CD16+ monocytes: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pErk1_2	PMA_Iono
392	CD16+ monocytes: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pErk1_2	Unstim
393	CD16+ monocytes: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pp38	IFNa
394	CD16+ monocytes: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pp38	IL-10
395	CD16+ monocytes: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pp38	IL-21
396	CD16+ monocytes: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pp38	IL-6
397	CD16+ monocytes: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pp38	IL-7
398	CD16+ monocytes: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pp38	LPS

Order	Analyte Generic Name	Analyte Specific Name	Stim
399	CD16+ monocytes: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pp38	PMA_Iono
400	CD16+ monocytes: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pp38	Unstim
401	CD16+ monocytes: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pPLCg2	IFNa
402	CD16+ monocytes: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pPLCg2	IL-10
403	CD16+ monocytes: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pPLCg2	IL-21
404	CD16+ monocytes: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pPLCg2	IL-6
405	CD16+ monocytes: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pPLCg2	IL-7
406	CD16+ monocytes: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pPLCg2	LPS
407	CD16+ monocytes: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pPLCg2	PMA_Iono
408	CD16+ monocytes: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pPLCg2	Unstim
409	CD16+ monocytes: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT1	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
410	CD16+ monocytes: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT1	IL-10
411	CD16+ monocytes: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT1	IL-21
412	CD16+ monocytes: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT1	IL-6
413	CD16+ monocytes: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT1	IL-7
414	CD16+ monocytes: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT1	LPS
415	CD16+ monocytes: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT1	PMA_Iono
416	CD16+ monocytes: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT1	Unstim
417	CD16+ monocytes: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT3	IFNa
418	CD16+ monocytes: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT3	IL-10
419	CD16+ monocytes: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT3	IL-21
420	CD16+ monocytes: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT3	IL-6

Order	Analyte Generic Name	Analyte Specific Name	Stim
421	CD16+ monocytes: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT3	IL-7
422	CD16+ monocytes: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT3	LPS
423	CD16+ monocytes: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT3	PMA_Iono
424	CD16+ monocytes: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT3	Unstim
425	CD16+ monocytes: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT5	IFNa
426	CD16+ monocytes: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT5	IL-10
427	CD16+ monocytes: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT5	IL-21
428	CD16+ monocytes: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT5	IL-6
429	CD16+ monocytes: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT5	IL-7
430	CD16+ monocytes: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT5	LPS
431	CD16+ monocytes: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT5	PMA_Iono



Order	Analyte Generic Name	Analyte Specific Name	Stim
432	CD16+ monocytes: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/CD16+ Monos: pSTAT5	Unstim
433	CD16+CD56- NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: IkBtot	IFNa
434	CD16+CD56- NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: IkBtot	IL-10
435	CD16+CD56- NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: IkBtot	IL-21
436	CD16+CD56- NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: IkBtot	IL-6
437	CD16+CD56- NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: IkBtot	IL-7
438	CD16+CD56- NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: IkBtot	LPS
439	CD16+CD56- NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: IkBtot	PMA_Iono
440	CD16+CD56- NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: IkBtot	Unstim
441	CD16+CD56- NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: Ki67	IFNa
442	CD16+CD56- NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: Ki67	IL-10
443	CD16+CD56- NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: Ki67	IL-21
444	CD16+CD56- NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: Ki67	IL-6
445	CD16+CD56- NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: Ki67	IL-7
446	CD16+CD56- NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: Ki67	LPS
447	CD16+CD56- NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: Ki67	PMA_Iono
448	CD16+CD56- NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: Ki67	Unstim

Order	Analyte Generic Name	Analyte Specific Name	Stim
449	CD16+CD56- NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pCREB	IFNa
450	CD16+CD56- NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pCREB	IL-10
451	CD16+CD56- NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pCREB	IL-21
452	CD16+CD56- NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pCREB	IL-6
453	CD16+CD56- NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pCREB	IL-7
454	CD16+CD56- NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pCREB	LPS
455	CD16+CD56- NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pCREB	PMA_Iono
456	CD16+CD56- NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pCREB	Unstim
457	CD16+CD56- NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pErk1_2	IFNa
458	CD16+CD56- NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pErk1_2	IL-10
459	CD16+CD56- NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pErk1_2	IL-21
460	CD16+CD56- NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pErk1_2	IL-6
461	CD16+CD56- NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pErk1_2	IL-7
462	CD16+CD56- NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pErk1_2	LPS
463	CD16+CD56- NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pErk1_2	PMA_Iono
464	CD16+CD56- NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pErk1_2	Unstim
465	CD16+CD56- NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pp38	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
466	CD16+CD56- NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pp38	IL-10
467	CD16+CD56- NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pp38	IL-21
468	CD16+CD56- NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pp38	IL-6
469	CD16+CD56- NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pp38	IL-7
470	CD16+CD56- NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pp38	LPS
471	CD16+CD56- NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pp38	PMA_Iono
472	CD16+CD56- NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pp38	Unstim
473	CD16+CD56- NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pPLCg2	IFNa
474	CD16+CD56- NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pPLCg2	IL-10
475	CD16+CD56- NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pPLCg2	IL-21
476	CD16+CD56- NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pPLCg2	IL-6
477	CD16+CD56- NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pPLCg2	IL-7
478	CD16+CD56- NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pPLCg2	LPS
479	CD16+CD56- NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pPLCg2	PMA_Iono
480	CD16+CD56- NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pPLCg2	Unstim
481	CD16+CD56- NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT1	IFNa
482	CD16+CD56- NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT1	IL-10

Order	Analyte Generic Name	Analyte Specific Name	Stim
483	CD16+CD56- NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT1	IL-21
484	CD16+CD56- NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT1	IL-6
485	CD16+CD56- NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT1	IL-7
486	CD16+CD56- NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT1	LPS
487	CD16+CD56- NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT1	PMA_Iono
488	CD16+CD56- NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT1	Unstim
489	CD16+CD56- NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT3	IFNa
490	CD16+CD56- NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT3	IL-10
491	CD16+CD56- NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT3	IL-21
492	CD16+CD56- NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT3	IL-6
493	CD16+CD56- NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT3	IL-7
494	CD16+CD56- NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT3	LPS
495	CD16+CD56- NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT3	PMA_Iono
496	CD16+CD56- NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT3	Unstim
497	CD16+CD56- NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT5	IFNa
498	CD16+CD56- NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT5	IL-10
499	CD16+CD56- NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT5	IL-21

Order	Analyte Generic Name	Analyte Specific Name	Stim
500	CD16+CD56- NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT5	IL-6
501	CD16+CD56- NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT5	IL-7
502	CD16+CD56- NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT5	LPS
503	CD16+CD56- NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT5	PMA_Iono
504	CD16+CD56- NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56- CD16+: pSTAT5	Unstim
505	CD25+CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/CD25+: IkBtot	IFNa
506	CD25+CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/CD25+: IkBtot	IL-10
507	CD25+CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/CD25+: IkBtot	IL-21
508	CD25+CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/CD25+: IkBtot	IL-6
509	CD25+CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/CD25+: IkBtot	IL-7
510	CD25+CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/CD25+: IkBtot	LPS
511	CD25+CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/CD25+: IkBtot	PMA_Iono
512	CD25+CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/CD25+: IkBtot	Unstim
513	CD25+CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/CD25+: Ki67	IFNa
514	CD25+CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/CD25+: Ki67	IL-10
515	CD25+CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/CD25+: Ki67	IL-21
516	CD25+CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/CD25+: Ki67	IL-6
517	CD25+CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/CD25+: Ki67	IL-7
518	CD25+CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/CD25+: Ki67	LPS
519	CD25+CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/CD25+: Ki67	PMA_Iono
520	CD25+CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/CD25+: Ki67	Unstim
521	CD25+CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/CD25+: pCREB	IFNa
522	CD25+CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/CD25+: pCREB	IL-10
523	CD25+CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/CD25+: pCREB	IL-21
524	CD25+CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/CD25+: pCREB	IL-6
525	CD25+CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/CD25+: pCREB	IL-7
526	CD25+CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/CD25+: pCREB	LPS
527	CD25+CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/CD25+: pCREB	PMA_Iono

Order	Analyte Generic Name	Analyte Specific Name	Stim
528	CD25+CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/CD25+: pCREB	Unstim
529	CD25+CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/CD25+: pErk1_2	IFNa
530	CD25+CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/CD25+: pErk1_2	IL-10
531	CD25+CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/CD25+: pErk1_2	IL-21
532	CD25+CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/CD25+: pErk1_2	IL-6
533	CD25+CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/CD25+: pErk1_2	IL-7
534	CD25+CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/CD25+: pErk1_2	LPS
535	CD25+CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/CD25+: pErk1_2	PMA_Iono
536	CD25+CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/CD25+: pErk1_2	Unstim
537	CD25+CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/CD25+: pp38	IFNa
538	CD25+CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/CD25+: pp38	IL-10
539	CD25+CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/CD25+: pp38	IL-21
540	CD25+CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/CD25+: pp38	IL-6
541	CD25+CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/CD25+: pp38	IL-7
542	CD25+CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/CD25+: pp38	LPS
543	CD25+CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/CD25+: pp38	PMA_Iono
544	CD25+CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/CD25+: pp38	Unstim
545	CD25+CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/CD25+: pPLCg2	IFNa
546	CD25+CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/CD25+: pPLCg2	IL-10
547	CD25+CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/CD25+: pPLCg2	IL-21
548	CD25+CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/CD25+: pPLCg2	IL-6
549	CD25+CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/CD25+: pPLCg2	IL-7
550	CD25+CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/CD25+: pPLCg2	LPS
551	CD25+CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/CD25+: pPLCg2	PMA_Iono
552	CD25+CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/CD25+: pPLCg2	Unstim
553	CD25+CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT1	IFNa
554	CD25+CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT1	IL-10
555	CD25+CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT1	IL-21
556	CD25+CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT1	IL-6
557	CD25+CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT1	IL-7
558	CD25+CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT1	LPS
559	CD25+CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT1	PMA_Iono

Order	Analyte Generic Name	Analyte Specific Name	Stim
560	CD25+CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT1	Unstim
561	CD25+CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT3	IFNa
562	CD25+CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT3	IL-10
563	CD25+CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT3	IL-21
564	CD25+CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT3	IL-6
565	CD25+CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT3	IL-7
566	CD25+CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT3	LPS
567	CD25+CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT3	PMA_Iono
568	CD25+CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT3	Unstim
569	CD25+CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT5	IFNa
570	CD25+CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT5	IL-10
571	CD25+CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT5	IL-21
572	CD25+CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT5	IL-6
573	CD25+CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT5	IL-7
574	CD25+CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT5	LPS
575	CD25+CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT5	PMA_Iono
576	CD25+CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/CD25+: pSTAT5	Unstim
577	CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+: IkBtot	IFNa
578	CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+: IkBtot	IL-10
579	CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+: IkBtot	IL-21
580	CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+: IkBtot	IL-6
581	CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+: IkBtot	IL-7
582	CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+: IkBtot	LPS
583	CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+: IkBtot	PMA_Iono
584	CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+: IkBtot	Unstim
585	CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+: Ki67	IFNa
586	CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+: Ki67	IL-10
587	CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+: Ki67	IL-21
588	CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+: Ki67	IL-6
589	CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+: Ki67	IL-7
590	CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+: Ki67	LPS
591	CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+: Ki67	PMA_Iono

<b>Order</b>	<b>Analyte Generic Name</b>	<b>Analyte Specific Name</b>	<b>Stim</b>
<b>592</b>	CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+: Ki67	Unstim
<b>593</b>	CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+: pCREB	IFNa
<b>594</b>	CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+: pCREB	IL-10
<b>595</b>	CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+: pCREB	IL-21
<b>596</b>	CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+: pCREB	IL-6
<b>597</b>	CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+: pCREB	IL-7
<b>598</b>	CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+: pCREB	LPS
<b>599</b>	CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+: pCREB	PMA_Iono
<b>600</b>	CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+: pCREB	Unstim
<b>601</b>	CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+: pErk1_2	IFNa
<b>602</b>	CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+: pErk1_2	IL-10
<b>603</b>	CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+: pErk1_2	IL-21
<b>604</b>	CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+: pErk1_2	IL-6
<b>605</b>	CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+: pErk1_2	IL-7
<b>606</b>	CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+: pErk1_2	LPS
<b>607</b>	CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+: pErk1_2	PMA_Iono
<b>608</b>	CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+: pErk1_2	Unstim
<b>609</b>	CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+: pp38	IFNa
<b>610</b>	CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+: pp38	IL-10
<b>611</b>	CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+: pp38	IL-21
<b>612</b>	CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+: pp38	IL-6
<b>613</b>	CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+: pp38	IL-7
<b>614</b>	CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+: pp38	LPS
<b>615</b>	CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+: pp38	PMA_Iono
<b>616</b>	CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+: pp38	Unstim
<b>617</b>	CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+: pPLCg2	IFNa
<b>618</b>	CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+: pPLCg2	IL-10
<b>619</b>	CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+: pPLCg2	IL-21
<b>620</b>	CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+: pPLCg2	IL-6
<b>621</b>	CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+: pPLCg2	IL-7
<b>622</b>	CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+: pPLCg2	LPS
<b>623</b>	CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+: pPLCg2	PMA_Iono



Order	Analyte Generic Name	Analyte Specific Name	Stim
624	CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+: pPLCg2	Unstim
625	CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+: pSTAT1	IFNa
626	CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+: pSTAT1	IL-10
627	CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+: pSTAT1	IL-21
628	CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+: pSTAT1	IL-6
629	CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+: pSTAT1	IL-7
630	CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+: pSTAT1	LPS
631	CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+: pSTAT1	PMA_Iono
632	CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+: pSTAT1	Unstim
633	CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+: pSTAT3	IFNa
634	CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+: pSTAT3	IL-10
635	CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+: pSTAT3	IL-21
636	CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+: pSTAT3	IL-6
637	CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+: pSTAT3	IL-7
638	CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+: pSTAT3	LPS
639	CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+: pSTAT3	PMA_Iono
640	CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+: pSTAT3	Unstim
641	CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+: pSTAT5	IFNa
642	CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+: pSTAT5	IL-10
643	CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+: pSTAT5	IL-21
644	CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+: pSTAT5	IL-6
645	CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+: pSTAT5	IL-7
646	CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+: pSTAT5	LPS
647	CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+: pSTAT5	PMA_Iono
648	CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+: pSTAT5	Unstim
649	CD56++CD16+ NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: IkBtot	IFNa
650	CD56++CD16+ NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: IkBtot	IL-10
651	CD56++CD16+ NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: IkBtot	IL-21
652	CD56++CD16+ NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: IkBtot	IL-6

Order	Analyte Generic Name	Analyte Specific Name	Stim
653	CD56++CD16+ NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: IkBtot	IL-7
654	CD56++CD16+ NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: IkBtot	LPS
655	CD56++CD16+ NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: IkBtot	PMA_Iono
656	CD56++CD16+ NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: IkBtot	Unstim
657	CD56++CD16+ NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: Ki67	IFNa
658	CD56++CD16+ NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: Ki67	IL-10
659	CD56++CD16+ NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: Ki67	IL-21
660	CD56++CD16+ NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: Ki67	IL-6
661	CD56++CD16+ NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: Ki67	IL-7
662	CD56++CD16+ NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: Ki67	LPS
663	CD56++CD16+ NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: Ki67	PMA_Iono
664	CD56++CD16+ NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: Ki67	Unstim
665	CD56++CD16+ NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pCREB	IFNa
666	CD56++CD16+ NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pCREB	IL-10
667	CD56++CD16+ NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pCREB	IL-21
668	CD56++CD16+ NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pCREB	IL-6
669	CD56++CD16+ NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pCREB	IL-7

Order	Analyte Generic Name	Analyte Specific Name	Stim
670	CD56++CD16+ NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pCREB	LPS
671	CD56++CD16+ NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pCREB	PMA_Iono
672	CD56++CD16+ NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pCREB	Unstim
673	CD56++CD16+ NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pErk1_2	IFNa
674	CD56++CD16+ NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pErk1_2	IL-10
675	CD56++CD16+ NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pErk1_2	IL-21
676	CD56++CD16+ NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pErk1_2	IL-6
677	CD56++CD16+ NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pErk1_2	IL-7
678	CD56++CD16+ NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pErk1_2	LPS
679	CD56++CD16+ NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pErk1_2	PMA_Iono
680	CD56++CD16+ NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pErk1_2	Unstim
681	CD56++CD16+ NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pp38	IFNa
682	CD56++CD16+ NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pp38	IL-10
683	CD56++CD16+ NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pp38	IL-21
684	CD56++CD16+ NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pp38	IL-6
685	CD56++CD16+ NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pp38	IL-7
686	CD56++CD16+ NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pp38	LPS

Order	Analyte Generic Name	Analyte Specific Name	Stim
687	CD56++CD16+ NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pp38	PMA_Iono
688	CD56++CD16+ NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pp38	Unstim
689	CD56++CD16+ NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pPLCg2	IFNa
690	CD56++CD16+ NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pPLCg2	IL-10
691	CD56++CD16+ NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pPLCg2	IL-21
692	CD56++CD16+ NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pPLCg2	IL-6
693	CD56++CD16+ NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pPLCg2	IL-7
694	CD56++CD16+ NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pPLCg2	LPS
695	CD56++CD16+ NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pPLCg2	PMA_Iono
696	CD56++CD16+ NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pPLCg2	Unstim
697	CD56++CD16+ NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT1	IFNa
698	CD56++CD16+ NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT1	IL-10
699	CD56++CD16+ NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT1	IL-21
700	CD56++CD16+ NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT1	IL-6
701	CD56++CD16+ NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT1	IL-7
702	CD56++CD16+ NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT1	LPS
703	CD56++CD16+ NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT1	PMA_Iono

Order	Analyte Generic Name	Analyte Specific Name	Stim
704	CD56++CD16+ NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT1	Unstim
705	CD56++CD16+ NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT3	IFNa
706	CD56++CD16+ NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT3	IL-10
707	CD56++CD16+ NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT3	IL-21
708	CD56++CD16+ NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT3	IL-6
709	CD56++CD16+ NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT3	IL-7
710	CD56++CD16+ NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT3	LPS
711	CD56++CD16+ NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT3	PMA_Iono
712	CD56++CD16+ NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT3	Unstim
713	CD56++CD16+ NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT5	IFNa
714	CD56++CD16+ NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT5	IL-10
715	CD56++CD16+ NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT5	IL-21
716	CD56++CD16+ NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT5	IL-6
717	CD56++CD16+ NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT5	IL-7
718	CD56++CD16+ NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT5	LPS
719	CD56++CD16+ NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT5	PMA_Iono
720	CD56++CD16+ NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56bright CD16+: pSTAT5	Unstim

Order	Analyte Generic Name	Analyte Specific Name	Stim
721	CD56+CD16+ NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: IkBtot	IFNa
722	CD56+CD16+ NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: IkBtot	IL-10
723	CD56+CD16+ NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: IkBtot	IL-21
724	CD56+CD16+ NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: IkBtot	IL-6
725	CD56+CD16+ NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: IkBtot	IL-7
726	CD56+CD16+ NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: IkBtot	LPS
727	CD56+CD16+ NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: IkBtot	PMA_Iono
728	CD56+CD16+ NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: IkBtot	Unstim
729	CD56+CD16+ NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: Ki67	IFNa
730	CD56+CD16+ NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: Ki67	IL-10
731	CD56+CD16+ NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: Ki67	IL-21
732	CD56+CD16+ NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: Ki67	IL-6
733	CD56+CD16+ NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: Ki67	IL-7
734	CD56+CD16+ NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: Ki67	LPS
735	CD56+CD16+ NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: Ki67	PMA_Iono
736	CD56+CD16+ NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: Ki67	Unstim
737	CD56+CD16+ NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pCREB	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
738	CD56+CD16+ NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pCREB	IL-10
739	CD56+CD16+ NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pCREB	IL-21
740	CD56+CD16+ NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pCREB	IL-6
741	CD56+CD16+ NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pCREB	IL-7
742	CD56+CD16+ NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pCREB	LPS
743	CD56+CD16+ NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pCREB	PMA_Iono
744	CD56+CD16+ NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pCREB	Unstim
745	CD56+CD16+ NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pErk1_2	IFNa
746	CD56+CD16+ NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pErk1_2	IL-10
747	CD56+CD16+ NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pErk1_2	IL-21
748	CD56+CD16+ NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pErk1_2	IL-6
749	CD56+CD16+ NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pErk1_2	IL-7
750	CD56+CD16+ NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pErk1_2	LPS
751	CD56+CD16+ NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pErk1_2	PMA_Iono
752	CD56+CD16+ NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pErk1_2	Unstim
753	CD56+CD16+ NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pp38	IFNa
754	CD56+CD16+ NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pp38	IL-10

Order	Analyte Generic Name	Analyte Specific Name	Stim
755	CD56+CD16+ NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pp38	IL-21
756	CD56+CD16+ NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pp38	IL-6
757	CD56+CD16+ NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pp38	IL-7
758	CD56+CD16+ NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pp38	LPS
759	CD56+CD16+ NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pp38	PMA_Iono
760	CD56+CD16+ NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pp38	Unstim
761	CD56+CD16+ NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pPLCg2	IFNa
762	CD56+CD16+ NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pPLCg2	IL-10
763	CD56+CD16+ NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pPLCg2	IL-21
764	CD56+CD16+ NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pPLCg2	IL-6
765	CD56+CD16+ NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pPLCg2	IL-7
766	CD56+CD16+ NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pPLCg2	LPS
767	CD56+CD16+ NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pPLCg2	PMA_Iono
768	CD56+CD16+ NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pPLCg2	Unstim
769	CD56+CD16+ NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT1	IFNa
770	CD56+CD16+ NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT1	IL-10
771	CD56+CD16+ NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT1	IL-21



Order	Analyte Generic Name	Analyte Specific Name	Stim
772	CD56+CD16+ NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT1	IL-6
773	CD56+CD16+ NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT1	IL-7
774	CD56+CD16+ NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT1	LPS
775	CD56+CD16+ NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT1	PMA_Iono
776	CD56+CD16+ NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT1	Unstim
777	CD56+CD16+ NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT3	IFNa
778	CD56+CD16+ NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT3	IL-10
779	CD56+CD16+ NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT3	IL-21
780	CD56+CD16+ NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT3	IL-6
781	CD56+CD16+ NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT3	IL-7
782	CD56+CD16+ NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT3	LPS
783	CD56+CD16+ NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT3	PMA_Iono
784	CD56+CD16+ NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT3	Unstim
785	CD56+CD16+ NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT5	IFNa
786	CD56+CD16+ NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT5	IL-10
787	CD56+CD16+ NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT5	IL-21
788	CD56+CD16+ NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT5	IL-6

Order	Analyte Generic Name	Analyte Specific Name	Stim
789	CD56+CD16+ NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT5	IL-7
790	CD56+CD16+ NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT5	LPS
791	CD56+CD16+ NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT5	PMA_Iono
792	CD56+CD16+ NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16+: pSTAT5	Unstim
793	CD56+CD16- NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: IkBtot	IFNa
794	CD56+CD16- NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: IkBtot	IL-10
795	CD56+CD16- NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: IkBtot	IL-21
796	CD56+CD16- NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: IkBtot	IL-6
797	CD56+CD16- NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: IkBtot	IL-7
798	CD56+CD16- NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: IkBtot	LPS
799	CD56+CD16- NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: IkBtot	PMA_Iono
800	CD56+CD16- NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: IkBtot	Unstim
801	CD56+CD16- NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: Ki67	IFNa
802	CD56+CD16- NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: Ki67	IL-10
803	CD56+CD16- NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: Ki67	IL-21
804	CD56+CD16- NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: Ki67	IL-6
805	CD56+CD16- NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: Ki67	IL-7

Order	Analyte Generic Name	Analyte Specific Name	Stim
806	CD56+CD16- NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: Ki67	LPS
807	CD56+CD16- NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: Ki67	PMA_Iono
808	CD56+CD16- NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: Ki67	Unstim
809	CD56+CD16- NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pCREB	IFNa
810	CD56+CD16- NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pCREB	IL-10
811	CD56+CD16- NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pCREB	IL-21
812	CD56+CD16- NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pCREB	IL-6
813	CD56+CD16- NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pCREB	IL-7
814	CD56+CD16- NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pCREB	LPS
815	CD56+CD16- NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pCREB	PMA_Iono
816	CD56+CD16- NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pCREB	Unstim
817	CD56+CD16- NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pErk1_2	IFNa
818	CD56+CD16- NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pErk1_2	IL-10
819	CD56+CD16- NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pErk1_2	IL-21
820	CD56+CD16- NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pErk1_2	IL-6
821	CD56+CD16- NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pErk1_2	IL-7
822	CD56+CD16- NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pErk1_2	LPS

Order	Analyte Generic Name	Analyte Specific Name	Stim
823	CD56+CD16- NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pErk1_2	PMA_Iono
824	CD56+CD16- NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pErk1_2	Unstim
825	CD56+CD16- NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pp38	IFNa
826	CD56+CD16- NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pp38	IL-10
827	CD56+CD16- NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pp38	IL-21
828	CD56+CD16- NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pp38	IL-6
829	CD56+CD16- NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pp38	IL-7
830	CD56+CD16- NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pp38	LPS
831	CD56+CD16- NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pp38	PMA_Iono
832	CD56+CD16- NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pp38	Unstim
833	CD56+CD16- NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pPLCg2	IFNa
834	CD56+CD16- NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pPLCg2	IL-10
835	CD56+CD16- NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pPLCg2	IL-21
836	CD56+CD16- NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pPLCg2	IL-6
837	CD56+CD16- NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pPLCg2	IL-7
838	CD56+CD16- NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pPLCg2	LPS
839	CD56+CD16- NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pPLCg2	PMA_Iono

Order	Analyte Generic Name	Analyte Specific Name	Stim
840	CD56+CD16- NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pPLCg2	Unstim
841	CD56+CD16- NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT1	IFNa
842	CD56+CD16- NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT1	IL-10
843	CD56+CD16- NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT1	IL-21
844	CD56+CD16- NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT1	IL-6
845	CD56+CD16- NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT1	IL-7
846	CD56+CD16- NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT1	LPS
847	CD56+CD16- NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT1	PMA_Iono
848	CD56+CD16- NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT1	Unstim
849	CD56+CD16- NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT3	IFNa
850	CD56+CD16- NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT3	IL-10
851	CD56+CD16- NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT3	IL-21
852	CD56+CD16- NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT3	IL-6
853	CD56+CD16- NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT3	IL-7
854	CD56+CD16- NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT3	LPS
855	CD56+CD16- NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT3	PMA_Iono
856	CD56+CD16- NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT3	Unstim

Order	Analyte Generic Name	Analyte Specific Name	Stim
857	CD56+CD16- NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT5	IFNa
858	CD56+CD16- NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT5	IL-10
859	CD56+CD16- NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT5	IL-21
860	CD56+CD16- NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT5	IL-6
861	CD56+CD16- NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT5	IL-7
862	CD56+CD16- NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT5	LPS
863	CD56+CD16- NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT5	PMA_Iono
864	CD56+CD16- NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-/CD56int CD16-: pSTAT5	Unstim
865	CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+: IkBtot	IFNa
866	CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+: IkBtot	IL-10
867	CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+: IkBtot	IL-21
868	CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+: IkBtot	IL-6
869	CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+: IkBtot	IL-7
870	CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+: IkBtot	LPS
871	CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+: IkBtot	PMA_Iono
872	CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+: IkBtot	Unstim
873	CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+: Ki67	IFNa
874	CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+: Ki67	IL-10
875	CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+: Ki67	IL-21
876	CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+: Ki67	IL-6
877	CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+: Ki67	IL-7
878	CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+: Ki67	LPS
879	CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+: Ki67	PMA_Iono
880	CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+: Ki67	Unstim
881	CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+: pCREB	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
882	CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+: pCREB	IL-10
883	CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+: pCREB	IL-21
884	CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+: pCREB	IL-6
885	CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+: pCREB	IL-7
886	CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+: pCREB	LPS
887	CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+: pCREB	PMA_Iono
888	CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+: pCREB	Unstim
889	CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+: pErk1_2	IFNa
890	CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+: pErk1_2	IL-10
891	CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+: pErk1_2	IL-21
892	CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+: pErk1_2	IL-6
893	CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+: pErk1_2	IL-7
894	CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+: pErk1_2	LPS
895	CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+: pErk1_2	PMA_Iono
896	CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+: pErk1_2	Unstim
897	CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+: pp38	IFNa
898	CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+: pp38	IL-10
899	CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+: pp38	IL-21
900	CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+: pp38	IL-6
901	CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+: pp38	IL-7
902	CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+: pp38	LPS
903	CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+: pp38	PMA_Iono
904	CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+: pp38	Unstim
905	CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+: pPLCg2	IFNa
906	CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+: pPLCg2	IL-10
907	CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+: pPLCg2	IL-21
908	CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+: pPLCg2	IL-6
909	CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+: pPLCg2	IL-7
910	CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+: pPLCg2	LPS
911	CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+: pPLCg2	PMA_Iono
912	CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+: pPLCg2	Unstim
913	CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+: pSTAT1	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
914	CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+: pSTAT1	IL-10
915	CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+: pSTAT1	IL-21
916	CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+: pSTAT1	IL-6
917	CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+: pSTAT1	IL-7
918	CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+: pSTAT1	LPS
919	CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+: pSTAT1	PMA_Iono
920	CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+: pSTAT1	Unstim
921	CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+: pSTAT3	IFNa
922	CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+: pSTAT3	IL-10
923	CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+: pSTAT3	IL-21
924	CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+: pSTAT3	IL-6
925	CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+: pSTAT3	IL-7
926	CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+: pSTAT3	LPS
927	CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+: pSTAT3	PMA_Iono
928	CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+: pSTAT3	Unstim
929	CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+: pSTAT5	IFNa
930	CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+: pSTAT5	IL-10
931	CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+: pSTAT5	IL-21
932	CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+: pSTAT5	IL-6
933	CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+: pSTAT5	IL-7
934	CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+: pSTAT5	LPS
935	CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+: pSTAT5	PMA_Iono
936	CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+: pSTAT5	Unstim
937	CM CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: IkBtot	IFNa
938	CM CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: IkBtot	IL-10
939	CM CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: IkBtot	IL-21
940	CM CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: IkBtot	IL-6
941	CM CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: IkBtot	IL-7
942	CM CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: IkBtot	LPS
943	CM CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: IkBtot	PMA_Iono
944	CM CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: IkBtot	Unstim
945	CM CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: Ki67	IFNa



Order	Analyte Generic Name	Analyte Specific Name	Stim
946	CM CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: Ki67	IL-10
947	CM CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: Ki67	IL-21
948	CM CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: Ki67	IL-6
949	CM CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: Ki67	IL-7
950	CM CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: Ki67	LPS
951	CM CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: Ki67	PMA_Iono
952	CM CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: Ki67	Unstim
953	CM CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pCREB	IFNa
954	CM CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pCREB	IL-10
955	CM CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pCREB	IL-21
956	CM CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pCREB	IL-6
957	CM CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pCREB	IL-7
958	CM CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pCREB	LPS
959	CM CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pCREB	PMA_Iono
960	CM CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pCREB	Unstim
961	CM CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pErk1_2	IFNa
962	CM CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pErk1_2	IL-10
963	CM CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pErk1_2	IL-21
964	CM CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pErk1_2	IL-6
965	CM CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pErk1_2	IL-7
966	CM CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pErk1_2	LPS
967	CM CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pErk1_2	PMA_Iono
968	CM CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pErk1_2	Unstim
969	CM CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pp38	IFNa
970	CM CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pp38	IL-10
971	CM CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pp38	IL-21
972	CM CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pp38	IL-6
973	CM CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pp38	IL-7
974	CM CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pp38	LPS
975	CM CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pp38	PMA_Iono
976	CM CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pp38	Unstim
977	CM CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pPLCg2	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
978	CM CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pPLCg2	IL-10
979	CM CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pPLCg2	IL-21
980	CM CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pPLCg2	IL-6
981	CM CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pPLCg2	IL-7
982	CM CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pPLCg2	LPS
983	CM CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pPLCg2	PMA_Iono
984	CM CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pPLCg2	Unstim
985	CM CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT1	IFNa
986	CM CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT1	IL-10
987	CM CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT1	IL-21
988	CM CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT1	IL-6
989	CM CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT1	IL-7
990	CM CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT1	LPS
991	CM CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT1	PMA_Iono
992	CM CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT1	Unstim
993	CM CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT3	IFNa
994	CM CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT3	IL-10
995	CM CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT3	IL-21
996	CM CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT3	IL-6
997	CM CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT3	IL-7
998	CM CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT3	LPS
999	CM CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT3	PMA_Iono
1000	CM CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT3	Unstim
1001	CM CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT5	IFNa
1002	CM CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT5	IL-10
1003	CM CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT5	IL-21
1004	CM CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT5	IL-6
1005	CM CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT5	IL-7
1006	CM CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT5	LPS
1007	CM CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT5	PMA_Iono
1008	CM CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q1: CD45RA- , CD27+: pSTAT5	Unstim
1009	CM CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: IkBtot	IFNa

<b>Order</b>	<b>Analyte Generic Name</b>	<b>Analyte Specific Name</b>	<b>Stim</b>
<b>1010</b>	CM CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: IkBtot	IL-10
<b>1011</b>	CM CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: IkBtot	IL-21
<b>1012</b>	CM CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: IkBtot	IL-6
<b>1013</b>	CM CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: IkBtot	IL-7
<b>1014</b>	CM CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: IkBtot	LPS
<b>1015</b>	CM CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: IkBtot	PMA_Iono
<b>1016</b>	CM CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: IkBtot	Unstim
<b>1017</b>	CM CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: Ki67	IFNa
<b>1018</b>	CM CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: Ki67	IL-10
<b>1019</b>	CM CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: Ki67	IL-21
<b>1020</b>	CM CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: Ki67	IL-6
<b>1021</b>	CM CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: Ki67	IL-7
<b>1022</b>	CM CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: Ki67	LPS
<b>1023</b>	CM CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: Ki67	PMA_Iono
<b>1024</b>	CM CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: Ki67	Unstim
<b>1025</b>	CM CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pCREB	IFNa
<b>1026</b>	CM CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pCREB	IL-10
<b>1027</b>	CM CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pCREB	IL-21
<b>1028</b>	CM CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pCREB	IL-6
<b>1029</b>	CM CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pCREB	IL-7
<b>1030</b>	CM CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pCREB	LPS
<b>1031</b>	CM CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pCREB	PMA_Iono
<b>1032</b>	CM CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pCREB	Unstim
<b>1033</b>	CM CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pErk1_2	IFNa
<b>1034</b>	CM CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pErk1_2	IL-10
<b>1035</b>	CM CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pErk1_2	IL-21
<b>1036</b>	CM CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pErk1_2	IL-6
<b>1037</b>	CM CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pErk1_2	IL-7
<b>1038</b>	CM CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pErk1_2	LPS
<b>1039</b>	CM CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pErk1_2	PMA_Iono
<b>1040</b>	CM CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pErk1_2	Unstim
<b>1041</b>	CM CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pp38	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
1042	CM CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pp38	IL-10
1043	CM CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pp38	IL-21
1044	CM CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pp38	IL-6
1045	CM CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pp38	IL-7
1046	CM CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pp38	LPS
1047	CM CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pp38	PMA_Iono
1048	CM CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pp38	Unstim
1049	CM CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pPLCg2	IFNa
1050	CM CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pPLCg2	IL-10
1051	CM CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pPLCg2	IL-21
1052	CM CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pPLCg2	IL-6
1053	CM CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pPLCg2	IL-7
1054	CM CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pPLCg2	LPS
1055	CM CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pPLCg2	PMA_Iono
1056	CM CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pPLCg2	Unstim
1057	CM CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT1	IFNa
1058	CM CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT1	IL-10
1059	CM CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT1	IL-21
1060	CM CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT1	IL-6
1061	CM CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT1	IL-7
1062	CM CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT1	LPS
1063	CM CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT1	PMA_Iono
1064	CM CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT1	Unstim
1065	CM CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT3	IFNa
1066	CM CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT3	IL-10
1067	CM CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT3	IL-21
1068	CM CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT3	IL-6
1069	CM CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT3	IL-7
1070	CM CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT3	LPS
1071	CM CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT3	PMA_Iono
1072	CM CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT3	Unstim
1073	CM CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT5	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
1074	CM CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT5	IL-10
1075	CM CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT5	IL-21
1076	CM CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT5	IL-6
1077	CM CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT5	IL-7
1078	CM CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT5	LPS
1079	CM CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT5	PMA_Iono
1080	CM CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q1: CD45RA- , CD27+: pSTAT5	Unstim
1081	effector CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: IkBtot	IFNa
1082	effector CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: IkBtot	IL-10
1083	effector CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: IkBtot	IL-21
1084	effector CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: IkBtot	IL-6
1085	effector CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: IkBtot	IL-7
1086	effector CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: IkBtot	LPS
1087	effector CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: IkBtot	PMA_Iono
1088	effector CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: IkBtot	Unstim
1089	effector CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: Ki67	IFNa
1090	effector CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: Ki67	IL-10
1091	effector CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: Ki67	IL-21
1092	effector CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: Ki67	IL-6
1093	effector CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: Ki67	IL-7
1094	effector CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: Ki67	LPS
1095	effector CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: Ki67	PMA_Iono
1096	effector CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: Ki67	Unstim
1097	effector CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pCREB	IFNa
1098	effector CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pCREB	IL-10
1099	effector CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pCREB	IL-21
1100	effector CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pCREB	IL-6
1101	effector CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pCREB	IL-7
1102	effector CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pCREB	LPS
1103	effector CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pCREB	PMA_Iono
1104	effector CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pCREB	Unstim
1105	effector CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pErk1_2	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
1106	effector CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pErk1_2	IL-10
1107	effector CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pErk1_2	IL-21
1108	effector CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pErk1_2	IL-6
1109	effector CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pErk1_2	IL-7
1110	effector CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pErk1_2	LPS
1111	effector CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pErk1_2	PMA_Iono
1112	effector CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pErk1_2	Unstim
1113	effector CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pp38	IFNa
1114	effector CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pp38	IL-10
1115	effector CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pp38	IL-21
1116	effector CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pp38	IL-6
1117	effector CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pp38	IL-7
1118	effector CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pp38	LPS
1119	effector CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pp38	PMA_Iono
1120	effector CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pp38	Unstim
1121	effector CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pPLCg2	IFNa
1122	effector CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pPLCg2	IL-10
1123	effector CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pPLCg2	IL-21
1124	effector CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pPLCg2	IL-6
1125	effector CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pPLCg2	IL-7
1126	effector CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pPLCg2	LPS
1127	effector CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pPLCg2	PMA_Iono
1128	effector CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pPLCg2	Unstim
1129	effector CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT1	IFNa
1130	effector CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT1	IL-10
1131	effector CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT1	IL-21
1132	effector CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT1	IL-6
1133	effector CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT1	IL-7
1134	effector CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT1	LPS
1135	effector CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT1	PMA_Iono
1136	effector CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT1	Unstim
1137	effector CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT3	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
1138	effector CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT3	IL-10
1139	effector CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT3	IL-21
1140	effector CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT3	IL-6
1141	effector CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT3	IL-7
1142	effector CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT3	LPS
1143	effector CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT3	PMA_Iono
1144	effector CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT3	Unstim
1145	effector CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT5	IFNa
1146	effector CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT5	IL-10
1147	effector CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT5	IL-21
1148	effector CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT5	IL-6
1149	effector CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT5	IL-7
1150	effector CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT5	LPS
1151	effector CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT5	PMA_Iono
1152	effector CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q3: CD45RA+ , CD27-: pSTAT5	Unstim
1153	effector CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: IkBtot	IFNa
1154	effector CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: IkBtot	IL-10
1155	effector CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: IkBtot	IL-21
1156	effector CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: IkBtot	IL-6
1157	effector CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: IkBtot	IL-7
1158	effector CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: IkBtot	LPS
1159	effector CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: IkBtot	PMA_Iono
1160	effector CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: IkBtot	Unstim
1161	effector CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: Ki67	IFNa
1162	effector CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: Ki67	IL-10
1163	effector CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: Ki67	IL-21
1164	effector CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: Ki67	IL-6
1165	effector CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: Ki67	IL-7
1166	effector CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: Ki67	LPS
1167	effector CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: Ki67	PMA_Iono
1168	effector CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: Ki67	Unstim
1169	effector CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pCREB	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
1170	effector CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pCREB	IL-10
1171	effector CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pCREB	IL-21
1172	effector CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pCREB	IL-6
1173	effector CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pCREB	IL-7
1174	effector CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pCREB	LPS
1175	effector CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pCREB	PMA_Iono
1176	effector CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pCREB	Unstim
1177	effector CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pErk1_2	IFNa
1178	effector CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pErk1_2	IL-10
1179	effector CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pErk1_2	IL-21
1180	effector CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pErk1_2	IL-6
1181	effector CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pErk1_2	IL-7
1182	effector CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pErk1_2	LPS
1183	effector CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pErk1_2	PMA_Iono
1184	effector CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pErk1_2	Unstim
1185	effector CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pp38	IFNa
1186	effector CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pp38	IL-10
1187	effector CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pp38	IL-21
1188	effector CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pp38	IL-6
1189	effector CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pp38	IL-7
1190	effector CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pp38	LPS
1191	effector CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pp38	PMA_Iono
1192	effector CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pp38	Unstim
1193	effector CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pPLCg2	IFNa
1194	effector CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pPLCg2	IL-10
1195	effector CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pPLCg2	IL-21
1196	effector CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pPLCg2	IL-6
1197	effector CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pPLCg2	IL-7
1198	effector CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pPLCg2	LPS
1199	effector CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pPLCg2	PMA_Iono
1200	effector CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pPLCg2	Unstim
1201	effector CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT1	IFNa



Order	Analyte Generic Name	Analyte Specific Name	Stim
1202	effector CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT1	IL-10
1203	effector CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT1	IL-21
1204	effector CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT1	IL-6
1205	effector CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT1	IL-7
1206	effector CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT1	LPS
1207	effector CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT1	PMA_Iono
1208	effector CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT1	Unstim
1209	effector CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT3	IFNa
1210	effector CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT3	IL-10
1211	effector CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT3	IL-21
1212	effector CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT3	IL-6
1213	effector CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT3	IL-7
1214	effector CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT3	LPS
1215	effector CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT3	PMA_Iono
1216	effector CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT3	Unstim
1217	effector CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT5	IFNa
1218	effector CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT5	IL-10
1219	effector CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT5	IL-21
1220	effector CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT5	IL-6
1221	effector CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT5	IL-7
1222	effector CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT5	LPS
1223	effector CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT5	PMA_Iono
1224	effector CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q3: CD45RA+ , CD27-: pSTAT5	Unstim
1225	EM CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: IkBtot	IFNa
1226	EM CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: IkBtot	IL-10
1227	EM CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: IkBtot	IL-21
1228	EM CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: IkBtot	IL-6
1229	EM CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: IkBtot	IL-7
1230	EM CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: IkBtot	LPS
1231	EM CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: IkBtot	PMA_Iono
1232	EM CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: IkBtot	Unstim
1233	EM CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: Ki67	IFNa

<b>Order</b>	<b>Analyte Generic Name</b>	<b>Analyte Specific Name</b>	<b>Stim</b>
<b>1234</b>	EM CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: Ki67	IL-10
<b>1235</b>	EM CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: Ki67	IL-21
<b>1236</b>	EM CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: Ki67	IL-6
<b>1237</b>	EM CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: Ki67	IL-7
<b>1238</b>	EM CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: Ki67	LPS
<b>1239</b>	EM CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: Ki67	PMA_Iono
<b>1240</b>	EM CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: Ki67	Unstim
<b>1241</b>	EM CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pCREB	IFNa
<b>1242</b>	EM CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pCREB	IL-10
<b>1243</b>	EM CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pCREB	IL-21
<b>1244</b>	EM CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pCREB	IL-6
<b>1245</b>	EM CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pCREB	IL-7
<b>1246</b>	EM CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pCREB	LPS
<b>1247</b>	EM CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pCREB	PMA_Iono
<b>1248</b>	EM CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pCREB	Unstim
<b>1249</b>	EM CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pErk1_2	IFNa
<b>1250</b>	EM CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pErk1_2	IL-10
<b>1251</b>	EM CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pErk1_2	IL-21
<b>1252</b>	EM CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pErk1_2	IL-6
<b>1253</b>	EM CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pErk1_2	IL-7
<b>1254</b>	EM CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pErk1_2	LPS
<b>1255</b>	EM CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pErk1_2	PMA_Iono
<b>1256</b>	EM CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pErk1_2	Unstim
<b>1257</b>	EM CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pp38	IFNa
<b>1258</b>	EM CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pp38	IL-10
<b>1259</b>	EM CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pp38	IL-21
<b>1260</b>	EM CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pp38	IL-6
<b>1261</b>	EM CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pp38	IL-7
<b>1262</b>	EM CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pp38	LPS
<b>1263</b>	EM CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pp38	PMA_Iono
<b>1264</b>	EM CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pp38	Unstim
<b>1265</b>	EM CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pPLCg2	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
1266	EM CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pPLCg2	IL-10
1267	EM CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pPLCg2	IL-21
1268	EM CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pPLCg2	IL-6
1269	EM CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pPLCg2	IL-7
1270	EM CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pPLCg2	LPS
1271	EM CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pPLCg2	PMA_Iono
1272	EM CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pPLCg2	Unstim
1273	EM CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT1	IFNa
1274	EM CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT1	IL-10
1275	EM CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT1	IL-21
1276	EM CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT1	IL-6
1277	EM CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT1	IL-7
1278	EM CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT1	LPS
1279	EM CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT1	PMA_Iono
1280	EM CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT1	Unstim
1281	EM CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT3	IFNa
1282	EM CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT3	IL-10
1283	EM CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT3	IL-21
1284	EM CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT3	IL-6
1285	EM CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT3	IL-7
1286	EM CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT3	LPS
1287	EM CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT3	PMA_Iono
1288	EM CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT3	Unstim
1289	EM CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT5	IFNa
1290	EM CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT5	IL-10
1291	EM CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT5	IL-21
1292	EM CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT5	IL-6
1293	EM CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT5	IL-7
1294	EM CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT5	LPS
1295	EM CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT5	PMA_Iono
1296	EM CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q4: CD45RA- , CD27-: pSTAT5	Unstim
1297	EM CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: IkBtot	IFNa

<b>Order</b>	<b>Analyte Generic Name</b>	<b>Analyte Specific Name</b>	<b>Stim</b>
<b>1298</b>	EM CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: IkBtot	IL-10
<b>1299</b>	EM CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: IkBtot	IL-21
<b>1300</b>	EM CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: IkBtot	IL-6
<b>1301</b>	EM CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: IkBtot	IL-7
<b>1302</b>	EM CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: IkBtot	LPS
<b>1303</b>	EM CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: IkBtot	PMA_Iono
<b>1304</b>	EM CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: IkBtot	Unstim
<b>1305</b>	EM CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: Ki67	IFNa
<b>1306</b>	EM CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: Ki67	IL-10
<b>1307</b>	EM CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: Ki67	IL-21
<b>1308</b>	EM CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: Ki67	IL-6
<b>1309</b>	EM CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: Ki67	IL-7
<b>1310</b>	EM CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: Ki67	LPS
<b>1311</b>	EM CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: Ki67	PMA_Iono
<b>1312</b>	EM CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: Ki67	Unstim
<b>1313</b>	EM CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pCREB	IFNa
<b>1314</b>	EM CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pCREB	IL-10
<b>1315</b>	EM CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pCREB	IL-21
<b>1316</b>	EM CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pCREB	IL-6
<b>1317</b>	EM CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pCREB	IL-7
<b>1318</b>	EM CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pCREB	LPS
<b>1319</b>	EM CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pCREB	PMA_Iono
<b>1320</b>	EM CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pCREB	Unstim
<b>1321</b>	EM CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pErk1_2	IFNa
<b>1322</b>	EM CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pErk1_2	IL-10
<b>1323</b>	EM CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pErk1_2	IL-21
<b>1324</b>	EM CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pErk1_2	IL-6
<b>1325</b>	EM CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pErk1_2	IL-7
<b>1326</b>	EM CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pErk1_2	LPS
<b>1327</b>	EM CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pErk1_2	PMA_Iono
<b>1328</b>	EM CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pErk1_2	Unstim
<b>1329</b>	EM CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pp38	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
1330	EM CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pp38	IL-10
1331	EM CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pp38	IL-21
1332	EM CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pp38	IL-6
1333	EM CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pp38	IL-7
1334	EM CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pp38	LPS
1335	EM CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pp38	PMA_Iono
1336	EM CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pp38	Unstim
1337	EM CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pPLCg2	IFNa
1338	EM CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pPLCg2	IL-10
1339	EM CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pPLCg2	IL-21
1340	EM CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pPLCg2	IL-6
1341	EM CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pPLCg2	IL-7
1342	EM CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pPLCg2	LPS
1343	EM CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pPLCg2	PMA_Iono
1344	EM CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pPLCg2	Unstim
1345	EM CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT1	IFNa
1346	EM CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT1	IL-10
1347	EM CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT1	IL-21
1348	EM CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT1	IL-6
1349	EM CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT1	IL-7
1350	EM CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT1	LPS
1351	EM CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT1	PMA_Iono
1352	EM CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT1	Unstim
1353	EM CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT3	IFNa
1354	EM CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT3	IL-10
1355	EM CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT3	IL-21
1356	EM CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT3	IL-6
1357	EM CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT3	IL-7
1358	EM CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT3	LPS
1359	EM CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT3	PMA_Iono
1360	EM CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT3	Unstim
1361	EM CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT5	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
1362	EM CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT5	IL-10
1363	EM CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT5	IL-21
1364	EM CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT5	IL-6
1365	EM CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT5	IL-7
1366	EM CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT5	LPS
1367	EM CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT5	PMA_Iono
1368	EM CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q4: CD45RA- , CD27-: pSTAT5	Unstim
1369	granulocytes: IkBtot	CD45+ CD66+: IkBtot	IFNa
1370	granulocytes: IkBtot	CD45+ CD66+: IkBtot	IL-10
1371	granulocytes: IkBtot	CD45+ CD66+: IkBtot	IL-21
1372	granulocytes: IkBtot	CD45+ CD66+: IkBtot	IL-6
1373	granulocytes: IkBtot	CD45+ CD66+: IkBtot	IL-7
1374	granulocytes: IkBtot	CD45+ CD66+: IkBtot	LPS
1375	granulocytes: IkBtot	CD45+ CD66+: IkBtot	PMA_Iono
1376	granulocytes: IkBtot	CD45+ CD66+: IkBtot	Unstim
1377	granulocytes: Ki67	CD45+ CD66+: Ki67	IFNa
1378	granulocytes: Ki67	CD45+ CD66+: Ki67	IL-10
1379	granulocytes: Ki67	CD45+ CD66+: Ki67	IL-21
1380	granulocytes: Ki67	CD45+ CD66+: Ki67	IL-6
1381	granulocytes: Ki67	CD45+ CD66+: Ki67	IL-7
1382	granulocytes: Ki67	CD45+ CD66+: Ki67	LPS
1383	granulocytes: Ki67	CD45+ CD66+: Ki67	PMA_Iono
1384	granulocytes: Ki67	CD45+ CD66+: Ki67	Unstim
1385	granulocytes: pCREB	CD45+ CD66+: pCREB	IFNa
1386	granulocytes: pCREB	CD45+ CD66+: pCREB	IL-10
1387	granulocytes: pCREB	CD45+ CD66+: pCREB	IL-21
1388	granulocytes: pCREB	CD45+ CD66+: pCREB	IL-6
1389	granulocytes: pCREB	CD45+ CD66+: pCREB	IL-7
1390	granulocytes: pCREB	CD45+ CD66+: pCREB	LPS
1391	granulocytes: pCREB	CD45+ CD66+: pCREB	PMA_Iono
1392	granulocytes: pCREB	CD45+ CD66+: pCREB	Unstim
1393	granulocytes: pErk1_2	CD45+ CD66+: pErk1_2	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
1394	granulocytes: pErk1_2	CD45+ CD66+: pErk1_2	IL-10
1395	granulocytes: pErk1_2	CD45+ CD66+: pErk1_2	IL-21
1396	granulocytes: pErk1_2	CD45+ CD66+: pErk1_2	IL-6
1397	granulocytes: pErk1_2	CD45+ CD66+: pErk1_2	IL-7
1398	granulocytes: pErk1_2	CD45+ CD66+: pErk1_2	LPS
1399	granulocytes: pErk1_2	CD45+ CD66+: pErk1_2	PMA_Iono
1400	granulocytes: pErk1_2	CD45+ CD66+: pErk1_2	Unstim
1401	granulocytes: pp38	CD45+ CD66+: pp38	IFNa
1402	granulocytes: pp38	CD45+ CD66+: pp38	IL-10
1403	granulocytes: pp38	CD45+ CD66+: pp38	IL-21
1404	granulocytes: pp38	CD45+ CD66+: pp38	IL-6
1405	granulocytes: pp38	CD45+ CD66+: pp38	IL-7
1406	granulocytes: pp38	CD45+ CD66+: pp38	LPS
1407	granulocytes: pp38	CD45+ CD66+: pp38	PMA_Iono
1408	granulocytes: pp38	CD45+ CD66+: pp38	Unstim
1409	granulocytes: pPLCg2	CD45+ CD66+: pPLCg2	IFNa
1410	granulocytes: pPLCg2	CD45+ CD66+: pPLCg2	IL-10
1411	granulocytes: pPLCg2	CD45+ CD66+: pPLCg2	IL-21
1412	granulocytes: pPLCg2	CD45+ CD66+: pPLCg2	IL-6
1413	granulocytes: pPLCg2	CD45+ CD66+: pPLCg2	IL-7
1414	granulocytes: pPLCg2	CD45+ CD66+: pPLCg2	LPS
1415	granulocytes: pPLCg2	CD45+ CD66+: pPLCg2	PMA_Iono
1416	granulocytes: pPLCg2	CD45+ CD66+: pPLCg2	Unstim
1417	granulocytes: pSTAT1	CD45+ CD66+: pSTAT1	IFNa
1418	granulocytes: pSTAT1	CD45+ CD66+: pSTAT1	IL-10
1419	granulocytes: pSTAT1	CD45+ CD66+: pSTAT1	IL-21
1420	granulocytes: pSTAT1	CD45+ CD66+: pSTAT1	IL-6
1421	granulocytes: pSTAT1	CD45+ CD66+: pSTAT1	IL-7
1422	granulocytes: pSTAT1	CD45+ CD66+: pSTAT1	LPS
1423	granulocytes: pSTAT1	CD45+ CD66+: pSTAT1	PMA_Iono
1424	granulocytes: pSTAT1	CD45+ CD66+: pSTAT1	Unstim
1425	granulocytes: pSTAT3	CD45+ CD66+: pSTAT3	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
1426	granulocytes: pSTAT3	CD45+ CD66+: pSTAT3	IL-10
1427	granulocytes: pSTAT3	CD45+ CD66+: pSTAT3	IL-21
1428	granulocytes: pSTAT3	CD45+ CD66+: pSTAT3	IL-6
1429	granulocytes: pSTAT3	CD45+ CD66+: pSTAT3	IL-7
1430	granulocytes: pSTAT3	CD45+ CD66+: pSTAT3	LPS
1431	granulocytes: pSTAT3	CD45+ CD66+: pSTAT3	PMA_Iono
1432	granulocytes: pSTAT3	CD45+ CD66+: pSTAT3	Unstim
1433	granulocytes: pSTAT5	CD45+ CD66+: pSTAT5	IFNa
1434	granulocytes: pSTAT5	CD45+ CD66+: pSTAT5	IL-10
1435	granulocytes: pSTAT5	CD45+ CD66+: pSTAT5	IL-21
1436	granulocytes: pSTAT5	CD45+ CD66+: pSTAT5	IL-6
1437	granulocytes: pSTAT5	CD45+ CD66+: pSTAT5	IL-7
1438	granulocytes: pSTAT5	CD45+ CD66+: pSTAT5	LPS
1439	granulocytes: pSTAT5	CD45+ CD66+: pSTAT5	PMA_Iono
1440	granulocytes: pSTAT5	CD45+ CD66+: pSTAT5	Unstim
1441	IgA+ B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/IgA+ CD19+CD20+: IkBtot	IL-6
1442	IgA+ B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/IgA+ CD19+CD20+: Ki67	IL-6
1443	IgA+ B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/IgA+ CD19+CD20+: pCREB	IL-6
1444	IgA+ B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/IgA+ CD19+CD20+: pErk1_2	IL-6
1445	IgA+ B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/IgA+ CD19+CD20+: pp38	IL-6
1446	IgA+ B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/IgA+ CD19+CD20+: pPLCg2	IL-6



Order	Analyte Generic Name	Analyte Specific Name	Stim
1447	IgA+ B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/IgA+ CD19+CD20+: pSTAT1	IL-6
1448	IgA+ B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/IgA+ CD19+CD20+: pSTAT3	IL-6
1449	IgA+ B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/IgA+ CD19+CD20+: pSTAT5	IL-6
1450	IgD+CD27+ B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: IkBtot	IFN $\alpha$
1451	IgD+CD27+ B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: IkBtot	IL-10
1452	IgD+CD27+ B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: IkBtot	IL-21
1453	IgD+CD27+ B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: IkBtot	IL-6
1454	IgD+CD27+ B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: IkBtot	IL-7
1455	IgD+CD27+ B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: IkBtot	LPS
1456	IgD+CD27+ B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: IkBtot	PMA_Iono
1457	IgD+CD27+ B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: IkBtot	Unstim

Order	Analyte Generic Name	Analyte Specific Name	Stim
1458	IgD+CD27+ B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: Ki67	IFNa
1459	IgD+CD27+ B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: Ki67	IL-10
1460	IgD+CD27+ B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: Ki67	IL-21
1461	IgD+CD27+ B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: Ki67	IL-6
1462	IgD+CD27+ B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: Ki67	IL-7
1463	IgD+CD27+ B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: Ki67	LPS
1464	IgD+CD27+ B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: Ki67	PMA_Iono
1465	IgD+CD27+ B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: Ki67	Unstim
1466	IgD+CD27+ B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pCREB	IFNa
1467	IgD+CD27+ B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pCREB	IL-10
1468	IgD+CD27+ B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pCREB	IL-21

Order	Analyte Generic Name	Analyte Specific Name	Stim
1469	IgD+CD27+ B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pCREB	IL-6
1470	IgD+CD27+ B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pCREB	IL-7
1471	IgD+CD27+ B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pCREB	LPS
1472	IgD+CD27+ B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pCREB	PMA_Iono
1473	IgD+CD27+ B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pCREB	Unstim
1474	IgD+CD27+ B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pErk1_2	IFNa
1475	IgD+CD27+ B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pErk1_2	IL-10
1476	IgD+CD27+ B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pErk1_2	IL-21
1477	IgD+CD27+ B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pErk1_2	IL-6
1478	IgD+CD27+ B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pErk1_2	IL-7
1479	IgD+CD27+ B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pErk1_2	LPS

Order	Analyte Generic Name	Analyte Specific Name	Stim
1480	IgD+CD27+ B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pErk1_2	PMA_Iono
1481	IgD+CD27+ B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pErk1_2	Unstim
1482	IgD+CD27+ B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pp38	IFNa
1483	IgD+CD27+ B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pp38	IL-10
1484	IgD+CD27+ B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pp38	IL-21
1485	IgD+CD27+ B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pp38	IL-6
1486	IgD+CD27+ B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pp38	IL-7
1487	IgD+CD27+ B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pp38	LPS
1488	IgD+CD27+ B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pp38	PMA_Iono
1489	IgD+CD27+ B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pp38	Unstim
1490	IgD+CD27+ B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pPLCg2	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
1491	IgD+CD27+ B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pPLCg2	IL-10
1492	IgD+CD27+ B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pPLCg2	IL-21
1493	IgD+CD27+ B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pPLCg2	IL-6
1494	IgD+CD27+ B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pPLCg2	IL-7
1495	IgD+CD27+ B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pPLCg2	LPS
1496	IgD+CD27+ B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pPLCg2	PMA_Iono
1497	IgD+CD27+ B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pPLCg2	Unstim
1498	IgD+CD27+ B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT1	IFNa
1499	IgD+CD27+ B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT1	IL-10
1500	IgD+CD27+ B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT1	IL-21
1501	IgD+CD27+ B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT1	IL-6

Order	Analyte Generic Name	Analyte Specific Name	Stim
1502	IgD+CD27+ B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT1	IL-7
1503	IgD+CD27+ B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT1	LPS
1504	IgD+CD27+ B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT1	PMA_Iono
1505	IgD+CD27+ B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT1	Unstim
1506	IgD+CD27+ B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT3	IFNa
1507	IgD+CD27+ B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT3	IL-10
1508	IgD+CD27+ B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT3	IL-21
1509	IgD+CD27+ B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT3	IL-6
1510	IgD+CD27+ B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT3	IL-7
1511	IgD+CD27+ B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT3	LPS
1512	IgD+CD27+ B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT3	PMA_Iono

Order	Analyte Generic Name	Analyte Specific Name	Stim
1513	IgD+CD27+ B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT3	Unstim
1514	IgD+CD27+ B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT5	IFNa
1515	IgD+CD27+ B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT5	IL-10
1516	IgD+CD27+ B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT5	IL-21
1517	IgD+CD27+ B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT5	IL-6
1518	IgD+CD27+ B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT5	IL-7
1519	IgD+CD27+ B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT5	LPS
1520	IgD+CD27+ B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT5	PMA_Iono
1521	IgD+CD27+ B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q2: IgD+ , CD27+: pSTAT5	Unstim
1522	IgD-CD27- B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: IkBtot	IFNa
1523	IgD-CD27- B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: IkBtot	IL-10

Order	Analyte Generic Name	Analyte Specific Name	Stim
1524	IgD-CD27- B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: IkBtot	IL-21
1525	IgD-CD27- B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: IkBtot	IL-6
1526	IgD-CD27- B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: IkBtot	IL-7
1527	IgD-CD27- B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: IkBtot	LPS
1528	IgD-CD27- B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: IkBtot	PMA_Iono
1529	IgD-CD27- B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: IkBtot	Unstim
1530	IgD-CD27- B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: Ki67	IFNa
1531	IgD-CD27- B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: Ki67	IL-10
1532	IgD-CD27- B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: Ki67	IL-21
1533	IgD-CD27- B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: Ki67	IL-6
1534	IgD-CD27- B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: Ki67	IL-7



Order	Analyte Generic Name	Analyte Specific Name	Stim
1535	IgD-CD27- B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: Ki67	LPS
1536	IgD-CD27- B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: Ki67	PMA_Iono
1537	IgD-CD27- B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: Ki67	Unstim
1538	IgD-CD27- B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pCREB	IFNa
1539	IgD-CD27- B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pCREB	IL-10
1540	IgD-CD27- B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pCREB	IL-21
1541	IgD-CD27- B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pCREB	IL-6
1542	IgD-CD27- B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pCREB	IL-7
1543	IgD-CD27- B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pCREB	LPS
1544	IgD-CD27- B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pCREB	PMA_Iono
1545	IgD-CD27- B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pCREB	Unstim

Order	Analyte Generic Name	Analyte Specific Name	Stim
1546	IgD-CD27- B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pErk1_2	IFNa
1547	IgD-CD27- B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pErk1_2	IL-10
1548	IgD-CD27- B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pErk1_2	IL-21
1549	IgD-CD27- B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pErk1_2	IL-6
1550	IgD-CD27- B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pErk1_2	IL-7
1551	IgD-CD27- B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pErk1_2	LPS
1552	IgD-CD27- B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pErk1_2	PMA_Iono
1553	IgD-CD27- B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pErk1_2	Unstim
1554	IgD-CD27- B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pp38	IFNa
1555	IgD-CD27- B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pp38	IL-10
1556	IgD-CD27- B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pp38	IL-21

Order	Analyte Generic Name	Analyte Specific Name	Stim
1557	IgD-CD27- B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pp38	IL-6
1558	IgD-CD27- B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pp38	IL-7
1559	IgD-CD27- B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pp38	LPS
1560	IgD-CD27- B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pp38	PMA_Iono
1561	IgD-CD27- B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pp38	Unstim
1562	IgD-CD27- B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pPLCg2	IFNa
1563	IgD-CD27- B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pPLCg2	IL-10
1564	IgD-CD27- B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pPLCg2	IL-21
1565	IgD-CD27- B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pPLCg2	IL-6
1566	IgD-CD27- B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pPLCg2	IL-7
1567	IgD-CD27- B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pPLCg2	LPS

Order	Analyte Generic Name	Analyte Specific Name	Stim
1568	IgD-CD27- B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pPLCg2	PMA_Iono
1569	IgD-CD27- B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pPLCg2	Unstim
1570	IgD-CD27- B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT1	IFNa
1571	IgD-CD27- B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT1	IL-10
1572	IgD-CD27- B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT1	IL-21
1573	IgD-CD27- B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT1	IL-6
1574	IgD-CD27- B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT1	IL-7
1575	IgD-CD27- B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT1	LPS
1576	IgD-CD27- B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT1	PMA_Iono
1577	IgD-CD27- B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT1	Unstim
1578	IgD-CD27- B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT3	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
1579	IgD-CD27- B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT3	IL-10
1580	IgD-CD27- B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT3	IL-21
1581	IgD-CD27- B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT3	IL-6
1582	IgD-CD27- B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT3	IL-7
1583	IgD-CD27- B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT3	LPS
1584	IgD-CD27- B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT3	PMA_Iono
1585	IgD-CD27- B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT3	Unstim
1586	IgD-CD27- B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT5	IFNa
1587	IgD-CD27- B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT5	IL-10
1588	IgD-CD27- B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT5	IL-21
1589	IgD-CD27- B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT5	IL-6

Order	Analyte Generic Name	Analyte Specific Name	Stim
1590	IgD-CD27- B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT5	IL-7
1591	IgD-CD27- B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT5	LPS
1592	IgD-CD27- B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT5	PMA_Iono
1593	IgD-CD27- B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q4: IgD- , CD27-: pSTAT5	Unstim
1594	mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: IkBtot	IFNa
1595	mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: IkBtot	IL-10
1596	mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: IkBtot	IL-21
1597	mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: IkBtot	IL-6
1598	mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: IkBtot	IL-7
1599	mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: IkBtot	LPS
1600	mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: IkBtot	PMA_Iono

Order	Analyte Generic Name	Analyte Specific Name	Stim
1601	mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: IkBtot	Unstim
1602	mDC: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: Ki67	IFNa
1603	mDC: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: Ki67	IL-10
1604	mDC: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: Ki67	IL-21
1605	mDC: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: Ki67	IL-6
1606	mDC: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: Ki67	IL-7
1607	mDC: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: Ki67	LPS
1608	mDC: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: Ki67	PMA_Iono
1609	mDC: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: Ki67	Unstim
1610	mDC: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pCREB	IFNa
1611	mDC: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pCREB	IL-10

Order	Analyte Generic Name	Analyte Specific Name	Stim
1612	mDC: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pCREB	IL-21
1613	mDC: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pCREB	IL-6
1614	mDC: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pCREB	IL-7
1615	mDC: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pCREB	LPS
1616	mDC: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pCREB	PMA_Iono
1617	mDC: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pCREB	Unstim
1618	mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pErk1_2	IFNa
1619	mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pErk1_2	IL-10
1620	mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pErk1_2	IL-21
1621	mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pErk1_2	IL-6
1622	mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pErk1_2	IL-7



Order	Analyte Generic Name	Analyte Specific Name	Stim
1623	mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pErk1_2	LPS
1624	mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pErk1_2	PMA_Iono
1625	mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pErk1_2	Unstim
1626	mDC: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pp38	IFNa
1627	mDC: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pp38	IL-10
1628	mDC: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pp38	IL-21
1629	mDC: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pp38	IL-6
1630	mDC: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pp38	IL-7
1631	mDC: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pp38	LPS
1632	mDC: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pp38	PMA_Iono
1633	mDC: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pp38	Unstim

Order	Analyte Generic Name	Analyte Specific Name	Stim
1634	mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pPLCg2	IFNa
1635	mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pPLCg2	IL-10
1636	mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pPLCg2	IL-21
1637	mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pPLCg2	IL-6
1638	mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pPLCg2	IL-7
1639	mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pPLCg2	LPS
1640	mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pPLCg2	PMA_Iono
1641	mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pPLCg2	Unstim
1642	mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT1	IFNa
1643	mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT1	IL-10
1644	mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT1	IL-21

Order	Analyte Generic Name	Analyte Specific Name	Stim
1645	mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT1	IL-6
1646	mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT1	IL-7
1647	mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT1	LPS
1648	mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT1	PMA_Iono
1649	mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT1	Unstim
1650	mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT3	IFNa
1651	mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT3	IL-10
1652	mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT3	IL-21
1653	mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT3	IL-6
1654	mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT3	IL-7
1655	mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT3	LPS

Order	Analyte Generic Name	Analyte Specific Name	Stim
1656	mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT3	PMA_Iono
1657	mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT3	Unstim
1658	mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT5	IFNa
1659	mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT5	IL-10
1660	mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT5	IL-21
1661	mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT5	IL-6
1662	mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT5	IL-7
1663	mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT5	LPS
1664	mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT5	PMA_Iono
1665	mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/CD11c+ HLA-DRhigh: pSTAT5	Unstim
1666	naive B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: IkBtot	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
1667	naive B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: IkBtot	IL-10
1668	naive B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: IkBtot	IL-21
1669	naive B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: IkBtot	IL-6
1670	naive B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: IkBtot	IL-7
1671	naive B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: IkBtot	LPS
1672	naive B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: IkBtot	PMA_Iono
1673	naive B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: IkBtot	Unstim
1674	naive B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: Ki67	IFNa
1675	naive B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: Ki67	IL-10
1676	naive B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: Ki67	IL-21
1677	naive B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: Ki67	IL-6

Order	Analyte Generic Name	Analyte Specific Name	Stim
1678	naive B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: Ki67	IL-7
1679	naive B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: Ki67	LPS
1680	naive B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: Ki67	PMA_Iono
1681	naive B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: Ki67	Unstim
1682	naive B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pCREB	IFNa
1683	naive B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pCREB	IL-10
1684	naive B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pCREB	IL-21
1685	naive B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pCREB	IL-6
1686	naive B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pCREB	IL-7
1687	naive B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pCREB	LPS
1688	naive B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pCREB	PMA_Iono

Order	Analyte Generic Name	Analyte Specific Name	Stim
1689	naive B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pCREB	Unstim
1690	naive B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pErk1_2	IFNa
1691	naive B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pErk1_2	IL-10
1692	naive B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pErk1_2	IL-21
1693	naive B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pErk1_2	IL-6
1694	naive B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pErk1_2	IL-7
1695	naive B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pErk1_2	LPS
1696	naive B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pErk1_2	PMA_Iono
1697	naive B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pErk1_2	Unstim
1698	naive B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pp38	IFNa
1699	naive B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pp38	IL-10

Order	Analyte Generic Name	Analyte Specific Name	Stim
1700	naive B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pp38	IL-21
1701	naive B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pp38	IL-6
1702	naive B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pp38	IL-7
1703	naive B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pp38	LPS
1704	naive B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pp38	PMA_Iono
1705	naive B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pp38	Unstim
1706	naive B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pPLCg2	IFNa
1707	naive B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pPLCg2	IL-10
1708	naive B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pPLCg2	IL-21
1709	naive B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pPLCg2	IL-6
1710	naive B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pPLCg2	IL-7



Order	Analyte Generic Name	Analyte Specific Name	Stim
1711	naive B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pPLCg2	LPS
1712	naive B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pPLCg2	PMA_Iono
1713	naive B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pPLCg2	Unstim
1714	naive B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT1	IFNa
1715	naive B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT1	IL-10
1716	naive B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT1	IL-21
1717	naive B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT1	IL-6
1718	naive B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT1	IL-7
1719	naive B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT1	LPS
1720	naive B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT1	PMA_Iono
1721	naive B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT1	Unstim

Order	Analyte Generic Name	Analyte Specific Name	Stim
1722	naive B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT3	IFNa
1723	naive B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT3	IL-10
1724	naive B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT3	IL-21
1725	naive B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT3	IL-6
1726	naive B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT3	IL-7
1727	naive B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT3	LPS
1728	naive B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT3	PMA_Iono
1729	naive B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT3	Unstim
1730	naive B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT5	IFNa
1731	naive B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT5	IL-10
1732	naive B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT5	IL-21

Order	Analyte Generic Name	Analyte Specific Name	Stim
1733	naive B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT5	IL-6
1734	naive B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT5	IL-7
1735	naive B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT5	LPS
1736	naive B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT5	PMA_Iono
1737	naive B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q3: IgD+ , CD27-: pSTAT5	Unstim
1738	naive CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: IkBtot	IFNa
1739	naive CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: IkBtot	IL-10
1740	naive CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: IkBtot	IL-21
1741	naive CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: IkBtot	IL-6
1742	naive CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: IkBtot	IL-7
1743	naive CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: IkBtot	LPS
1744	naive CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: IkBtot	PMA_Iono
1745	naive CD4+ T cells: IkBtot	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: IkBtot	Unstim
1746	naive CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: Ki67	IFNa
1747	naive CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: Ki67	IL-10
1748	naive CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: Ki67	IL-21
1749	naive CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: Ki67	IL-6
1750	naive CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: Ki67	IL-7
1751	naive CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: Ki67	LPS
1752	naive CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: Ki67	PMA_Iono
1753	naive CD4+ T cells: Ki67	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: Ki67	Unstim
1754	naive CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pCREB	IFNa
1755	naive CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pCREB	IL-10

Order	Analyte Generic Name	Analyte Specific Name	Stim
1756	naive CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pCREB	IL-21
1757	naive CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pCREB	IL-6
1758	naive CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pCREB	IL-7
1759	naive CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pCREB	LPS
1760	naive CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pCREB	PMA_Iono
1761	naive CD4+ T cells: pCREB	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pCREB	Unstim
1762	naive CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pErk1_2	IFNa
1763	naive CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pErk1_2	IL-10
1764	naive CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pErk1_2	IL-21
1765	naive CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pErk1_2	IL-6
1766	naive CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pErk1_2	IL-7
1767	naive CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pErk1_2	LPS
1768	naive CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pErk1_2	PMA_Iono
1769	naive CD4+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pErk1_2	Unstim
1770	naive CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pp38	IFNa
1771	naive CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pp38	IL-10
1772	naive CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pp38	IL-21
1773	naive CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pp38	IL-6
1774	naive CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pp38	IL-7
1775	naive CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pp38	LPS
1776	naive CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pp38	PMA_Iono
1777	naive CD4+ T cells: pp38	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pp38	Unstim
1778	naive CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pPLCg2	IFNa
1779	naive CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pPLCg2	IL-10
1780	naive CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pPLCg2	IL-21
1781	naive CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pPLCg2	IL-6
1782	naive CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pPLCg2	IL-7
1783	naive CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pPLCg2	LPS
1784	naive CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pPLCg2	PMA_Iono
1785	naive CD4+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pPLCg2	Unstim
1786	naive CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT1	IFNa
1787	naive CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT1	IL-10

<b>Order</b>	<b>Analyte Generic Name</b>	<b>Analyte Specific Name</b>	<b>Stim</b>
<b>1788</b>	naive CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT1	IL-21
<b>1789</b>	naive CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT1	IL-6
<b>1790</b>	naive CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT1	IL-7
<b>1791</b>	naive CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT1	LPS
<b>1792</b>	naive CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT1	PMA_Iono
<b>1793</b>	naive CD4+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT1	Unstim
<b>1794</b>	naive CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT3	IFNa
<b>1795</b>	naive CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT3	IL-10
<b>1796</b>	naive CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT3	IL-21
<b>1797</b>	naive CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT3	IL-6
<b>1798</b>	naive CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT3	IL-7
<b>1799</b>	naive CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT3	LPS
<b>1800</b>	naive CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT3	PMA_Iono
<b>1801</b>	naive CD4+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT3	Unstim
<b>1802</b>	naive CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT5	IFNa
<b>1803</b>	naive CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT5	IL-10
<b>1804</b>	naive CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT5	IL-21
<b>1805</b>	naive CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT5	IL-6
<b>1806</b>	naive CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT5	IL-7
<b>1807</b>	naive CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT5	LPS
<b>1808</b>	naive CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT5	PMA_Iono
<b>1809</b>	naive CD4+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD4+/Q2: CD45RA+ , CD27+: pSTAT5	Unstim
<b>1810</b>	naive CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: IkBtot	IFNa
<b>1811</b>	naive CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: IkBtot	IL-10
<b>1812</b>	naive CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: IkBtot	IL-21
<b>1813</b>	naive CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: IkBtot	IL-6
<b>1814</b>	naive CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: IkBtot	IL-7
<b>1815</b>	naive CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: IkBtot	LPS
<b>1816</b>	naive CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: IkBtot	PMA_Iono
<b>1817</b>	naive CD8+ T cells: IkBtot	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: IkBtot	Unstim
<b>1818</b>	naive CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: Ki67	IFNa
<b>1819</b>	naive CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: Ki67	IL-10

Order	Analyte Generic Name	Analyte Specific Name	Stim
1820	naive CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: Ki67	IL-21
1821	naive CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: Ki67	IL-6
1822	naive CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: Ki67	IL-7
1823	naive CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: Ki67	LPS
1824	naive CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: Ki67	PMA_Iono
1825	naive CD8+ T cells: Ki67	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: Ki67	Unstim
1826	naive CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pCREB	IFNa
1827	naive CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pCREB	IL-10
1828	naive CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pCREB	IL-21
1829	naive CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pCREB	IL-6
1830	naive CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pCREB	IL-7
1831	naive CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pCREB	LPS
1832	naive CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pCREB	PMA_Iono
1833	naive CD8+ T cells: pCREB	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pCREB	Unstim
1834	naive CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pErk1_2	IFNa
1835	naive CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pErk1_2	IL-10
1836	naive CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pErk1_2	IL-21
1837	naive CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pErk1_2	IL-6
1838	naive CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pErk1_2	IL-7
1839	naive CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pErk1_2	LPS
1840	naive CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pErk1_2	PMA_Iono
1841	naive CD8+ T cells: pErk1_2	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pErk1_2	Unstim
1842	naive CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pp38	IFNa
1843	naive CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pp38	IL-10
1844	naive CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pp38	IL-21
1845	naive CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pp38	IL-6
1846	naive CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pp38	IL-7
1847	naive CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pp38	LPS
1848	naive CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pp38	PMA_Iono
1849	naive CD8+ T cells: pp38	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pp38	Unstim
1850	naive CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pPLCg2	IFNa
1851	naive CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pPLCg2	IL-10

Order	Analyte Generic Name	Analyte Specific Name	Stim
1852	naive CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pPLCg2	IL-21
1853	naive CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pPLCg2	IL-6
1854	naive CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pPLCg2	IL-7
1855	naive CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pPLCg2	LPS
1856	naive CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pPLCg2	PMA_Iono
1857	naive CD8+ T cells: pPLCg2	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pPLCg2	Unstim
1858	naive CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT1	IFNa
1859	naive CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT1	IL-10
1860	naive CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT1	IL-21
1861	naive CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT1	IL-6
1862	naive CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT1	IL-7
1863	naive CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT1	LPS
1864	naive CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT1	PMA_Iono
1865	naive CD8+ T cells: pSTAT1	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT1	Unstim
1866	naive CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT3	IFNa
1867	naive CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT3	IL-10
1868	naive CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT3	IL-21
1869	naive CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT3	IL-6
1870	naive CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT3	IL-7
1871	naive CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT3	LPS
1872	naive CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT3	PMA_Iono
1873	naive CD8+ T cells: pSTAT3	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT3	Unstim
1874	naive CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT5	IFNa
1875	naive CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT5	IL-10
1876	naive CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT5	IL-21
1877	naive CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT5	IL-6
1878	naive CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT5	IL-7
1879	naive CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT5	LPS
1880	naive CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT5	PMA_Iono
1881	naive CD8+ T cells: pSTAT5	CD45++ CD66low/CD3+/CD8+/Q2: CD45RA+ , CD27+: pSTAT5	Unstim
1882	NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: IkBtot	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
1883	NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: IkBtot	IL-10
1884	NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: IkBtot	IL-21
1885	NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: IkBtot	IL-6
1886	NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: IkBtot	IL-7
1887	NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: IkBtot	LPS
1888	NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: IkBtot	PMA_Iono
1889	NK cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: IkBtot	Unstim
1890	NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: Ki67	IFNa
1891	NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: Ki67	IL-10
1892	NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: Ki67	IL-21
1893	NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: Ki67	IL-6
1894	NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: Ki67	IL-7
1895	NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: Ki67	LPS
1896	NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: Ki67	PMA_Iono
1897	NK cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: Ki67	Unstim
1898	NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pCREB	IFNa
1899	NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pCREB	IL-10



Order	Analyte Generic Name	Analyte Specific Name	Stim
1900	NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pCREB	IL-21
1901	NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pCREB	IL-6
1902	NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pCREB	IL-7
1903	NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pCREB	LPS
1904	NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pCREB	PMA_Iono
1905	NK cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pCREB	Unstim
1906	NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pErk1_2	IFNa
1907	NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pErk1_2	IL-10
1908	NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pErk1_2	IL-21
1909	NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pErk1_2	IL-6
1910	NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pErk1_2	IL-7
1911	NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pErk1_2	LPS
1912	NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pErk1_2	PMA_Iono
1913	NK cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pErk1_2	Unstim
1914	NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pp38	IFNa
1915	NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pp38	IL-10
1916	NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pp38	IL-21

Order	Analyte Generic Name	Analyte Specific Name	Stim
1917	NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pp38	IL-6
1918	NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pp38	IL-7
1919	NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pp38	LPS
1920	NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pp38	PMA_Iono
1921	NK cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pp38	Unstim
1922	NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pPLCg2	IFNa
1923	NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pPLCg2	IL-10
1924	NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pPLCg2	IL-21
1925	NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pPLCg2	IL-6
1926	NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pPLCg2	IL-7
1927	NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pPLCg2	LPS
1928	NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pPLCg2	PMA_Iono
1929	NK cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pPLCg2	Unstim
1930	NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT1	IFNa
1931	NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT1	IL-10
1932	NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT1	IL-21
1933	NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT1	IL-6

Order	Analyte Generic Name	Analyte Specific Name	Stim
1934	NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT1	IL-7
1935	NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT1	LPS
1936	NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT1	PMA_Iono
1937	NK cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT1	Unstim
1938	NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT3	IFNa
1939	NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT3	IL-10
1940	NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT3	IL-21
1941	NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT3	IL-6
1942	NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT3	IL-7
1943	NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT3	LPS
1944	NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT3	PMA_Iono
1945	NK cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT3	Unstim
1946	NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT5	IFNa
1947	NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT5	IL-10
1948	NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT5	IL-21
1949	NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT5	IL-6
1950	NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT5	IL-7

Order	Analyte Generic Name	Analyte Specific Name	Stim
1951	NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT5	LPS
1952	NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT5	PMA_Iono
1953	NK cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/CD7+ HLADR-: pSTAT5	Unstim
1954	pDC: IkBtot	CD45++ CD66low/CD3-/pDC: IkBtot	IFNa
1955	pDC: IkBtot	CD45++ CD66low/CD3-/pDC: IkBtot	IL-10
1956	pDC: IkBtot	CD45++ CD66low/CD3-/pDC: IkBtot	IL-21
1957	pDC: IkBtot	CD45++ CD66low/CD3-/pDC: IkBtot	IL-6
1958	pDC: IkBtot	CD45++ CD66low/CD3-/pDC: IkBtot	IL-7
1959	pDC: IkBtot	CD45++ CD66low/CD3-/pDC: IkBtot	LPS
1960	pDC: IkBtot	CD45++ CD66low/CD3-/pDC: IkBtot	PMA_Iono
1961	pDC: IkBtot	CD45++ CD66low/CD3-/pDC: IkBtot	Unstim
1962	pDC: Ki67	CD45++ CD66low/CD3-/pDC: Ki67	IFNa
1963	pDC: Ki67	CD45++ CD66low/CD3-/pDC: Ki67	IL-10
1964	pDC: Ki67	CD45++ CD66low/CD3-/pDC: Ki67	IL-21
1965	pDC: Ki67	CD45++ CD66low/CD3-/pDC: Ki67	IL-6
1966	pDC: Ki67	CD45++ CD66low/CD3-/pDC: Ki67	IL-7
1967	pDC: Ki67	CD45++ CD66low/CD3-/pDC: Ki67	LPS
1968	pDC: Ki67	CD45++ CD66low/CD3-/pDC: Ki67	PMA_Iono
1969	pDC: Ki67	CD45++ CD66low/CD3-/pDC: Ki67	Unstim
1970	pDC: pCREB	CD45++ CD66low/CD3-/pDC: pCREB	IFNa
1971	pDC: pCREB	CD45++ CD66low/CD3-/pDC: pCREB	IL-10
1972	pDC: pCREB	CD45++ CD66low/CD3-/pDC: pCREB	IL-21
1973	pDC: pCREB	CD45++ CD66low/CD3-/pDC: pCREB	IL-6
1974	pDC: pCREB	CD45++ CD66low/CD3-/pDC: pCREB	IL-7
1975	pDC: pCREB	CD45++ CD66low/CD3-/pDC: pCREB	LPS
1976	pDC: pCREB	CD45++ CD66low/CD3-/pDC: pCREB	PMA_Iono
1977	pDC: pCREB	CD45++ CD66low/CD3-/pDC: pCREB	Unstim
1978	pDC: pErk1_2	CD45++ CD66low/CD3-/pDC: pErk1_2	IFNa
1979	pDC: pErk1_2	CD45++ CD66low/CD3-/pDC: pErk1_2	IL-10

<b>Order</b>	<b>Analyte Generic Name</b>	<b>Analyte Specific Name</b>	<b>Stim</b>
<b>1980</b>	pDC: pErk1_2	CD45++ CD66low/CD3-/pDC: pErk1_2	IL-21
<b>1981</b>	pDC: pErk1_2	CD45++ CD66low/CD3-/pDC: pErk1_2	IL-6
<b>1982</b>	pDC: pErk1_2	CD45++ CD66low/CD3-/pDC: pErk1_2	IL-7
<b>1983</b>	pDC: pErk1_2	CD45++ CD66low/CD3-/pDC: pErk1_2	LPS
<b>1984</b>	pDC: pErk1_2	CD45++ CD66low/CD3-/pDC: pErk1_2	PMA_Iono
<b>1985</b>	pDC: pErk1_2	CD45++ CD66low/CD3-/pDC: pErk1_2	Unstim
<b>1986</b>	pDC: pp38	CD45++ CD66low/CD3-/pDC: pp38	IFNa
<b>1987</b>	pDC: pp38	CD45++ CD66low/CD3-/pDC: pp38	IL-10
<b>1988</b>	pDC: pp38	CD45++ CD66low/CD3-/pDC: pp38	IL-21
<b>1989</b>	pDC: pp38	CD45++ CD66low/CD3-/pDC: pp38	IL-6
<b>1990</b>	pDC: pp38	CD45++ CD66low/CD3-/pDC: pp38	IL-7
<b>1991</b>	pDC: pp38	CD45++ CD66low/CD3-/pDC: pp38	LPS
<b>1992</b>	pDC: pp38	CD45++ CD66low/CD3-/pDC: pp38	PMA_Iono
<b>1993</b>	pDC: pp38	CD45++ CD66low/CD3-/pDC: pp38	Unstim
<b>1994</b>	pDC: pPLCg2	CD45++ CD66low/CD3-/pDC: pPLCg2	IFNa
<b>1995</b>	pDC: pPLCg2	CD45++ CD66low/CD3-/pDC: pPLCg2	IL-10
<b>1996</b>	pDC: pPLCg2	CD45++ CD66low/CD3-/pDC: pPLCg2	IL-21
<b>1997</b>	pDC: pPLCg2	CD45++ CD66low/CD3-/pDC: pPLCg2	IL-6
<b>1998</b>	pDC: pPLCg2	CD45++ CD66low/CD3-/pDC: pPLCg2	IL-7
<b>1999</b>	pDC: pPLCg2	CD45++ CD66low/CD3-/pDC: pPLCg2	LPS
<b>2000</b>	pDC: pPLCg2	CD45++ CD66low/CD3-/pDC: pPLCg2	PMA_Iono
<b>2001</b>	pDC: pPLCg2	CD45++ CD66low/CD3-/pDC: pPLCg2	Unstim
<b>2002</b>	pDC: pSTAT1	CD45++ CD66low/CD3-/pDC: pSTAT1	IFNa
<b>2003</b>	pDC: pSTAT1	CD45++ CD66low/CD3-/pDC: pSTAT1	IL-10
<b>2004</b>	pDC: pSTAT1	CD45++ CD66low/CD3-/pDC: pSTAT1	IL-21
<b>2005</b>	pDC: pSTAT1	CD45++ CD66low/CD3-/pDC: pSTAT1	IL-6
<b>2006</b>	pDC: pSTAT1	CD45++ CD66low/CD3-/pDC: pSTAT1	IL-7
<b>2007</b>	pDC: pSTAT1	CD45++ CD66low/CD3-/pDC: pSTAT1	LPS
<b>2008</b>	pDC: pSTAT1	CD45++ CD66low/CD3-/pDC: pSTAT1	PMA_Iono
<b>2009</b>	pDC: pSTAT1	CD45++ CD66low/CD3-/pDC: pSTAT1	Unstim
<b>2010</b>	pDC: pSTAT3	CD45++ CD66low/CD3-/pDC: pSTAT3	IFNa
<b>2011</b>	pDC: pSTAT3	CD45++ CD66low/CD3-/pDC: pSTAT3	IL-10

Order	Analyte Generic Name	Analyte Specific Name	Stim
2012	pDC: pSTAT3	CD45++ CD66low/CD3-/pDC: pSTAT3	IL-21
2013	pDC: pSTAT3	CD45++ CD66low/CD3-/pDC: pSTAT3	IL-6
2014	pDC: pSTAT3	CD45++ CD66low/CD3-/pDC: pSTAT3	IL-7
2015	pDC: pSTAT3	CD45++ CD66low/CD3-/pDC: pSTAT3	LPS
2016	pDC: pSTAT3	CD45++ CD66low/CD3-/pDC: pSTAT3	PMA_Iono
2017	pDC: pSTAT3	CD45++ CD66low/CD3-/pDC: pSTAT3	Unstim
2018	pDC: pSTAT5	CD45++ CD66low/CD3-/pDC: pSTAT5	IFNa
2019	pDC: pSTAT5	CD45++ CD66low/CD3-/pDC: pSTAT5	IL-10
2020	pDC: pSTAT5	CD45++ CD66low/CD3-/pDC: pSTAT5	IL-21
2021	pDC: pSTAT5	CD45++ CD66low/CD3-/pDC: pSTAT5	IL-6
2022	pDC: pSTAT5	CD45++ CD66low/CD3-/pDC: pSTAT5	IL-7
2023	pDC: pSTAT5	CD45++ CD66low/CD3-/pDC: pSTAT5	LPS
2024	pDC: pSTAT5	CD45++ CD66low/CD3-/pDC: pSTAT5	PMA_Iono
2025	pDC: pSTAT5	CD45++ CD66low/CD3-/pDC: pSTAT5	Unstim
2026	plasmablasts: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: IkBtot	IFNa
2027	plasmablasts: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: IkBtot	IL-10
2028	plasmablasts: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: IkBtot	IL-21
2029	plasmablasts: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: IkBtot	IL-6
2030	plasmablasts: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: IkBtot	IL-7
2031	plasmablasts: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: IkBtot	LPS
2032	plasmablasts: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: IkBtot	PMA_Iono
2033	plasmablasts: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: IkBtot	Unstim
2034	plasmablasts: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: Ki67	IFNa
2035	plasmablasts: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: Ki67	IL-10
2036	plasmablasts: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: Ki67	IL-21

Order	Analyte Generic Name	Analyte Specific Name	Stim
2037	plasmablasts: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: Ki67	IL-6
2038	plasmablasts: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: Ki67	IL-7
2039	plasmablasts: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: Ki67	LPS
2040	plasmablasts: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: Ki67	PMA_Iono
2041	plasmablasts: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: Ki67	Unstim
2042	plasmablasts: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pCREB	IFNa
2043	plasmablasts: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pCREB	IL-10
2044	plasmablasts: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pCREB	IL-21
2045	plasmablasts: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pCREB	IL-6
2046	plasmablasts: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pCREB	IL-7
2047	plasmablasts: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pCREB	LPS
2048	plasmablasts: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pCREB	PMA_Iono
2049	plasmablasts: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pCREB	Unstim
2050	plasmablasts: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pErk1_2	IFNa
2051	plasmablasts: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pErk1_2	IL-10
2052	plasmablasts: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pErk1_2	IL-21
2053	plasmablasts: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pErk1_2	IL-6
2054	plasmablasts: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pErk1_2	IL-7
2055	plasmablasts: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pErk1_2	LPS
2056	plasmablasts: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pErk1_2	PMA_Iono

Order	Analyte Generic Name	Analyte Specific Name	Stim
2057	plasmablasts: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pErk1_2	Unstim
2058	plasmablasts: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pp38	IFNa
2059	plasmablasts: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pp38	IL-10
2060	plasmablasts: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pp38	IL-21
2061	plasmablasts: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pp38	IL-6
2062	plasmablasts: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pp38	IL-7
2063	plasmablasts: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pp38	LPS
2064	plasmablasts: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pp38	PMA_Iono
2065	plasmablasts: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pp38	Unstim
2066	plasmablasts: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pPLCg2	IFNa
2067	plasmablasts: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pPLCg2	IL-10
2068	plasmablasts: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pPLCg2	IL-21
2069	plasmablasts: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pPLCg2	IL-6
2070	plasmablasts: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pPLCg2	IL-7
2071	plasmablasts: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pPLCg2	LPS
2072	plasmablasts: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pPLCg2	PMA_Iono
2073	plasmablasts: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pPLCg2	Unstim
2074	plasmablasts: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT1	IFNa
2075	plasmablasts: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT1	IL-10
2076	plasmablasts: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT1	IL-21
2077	plasmablasts: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT1	IL-6



Order	Analyte Generic Name	Analyte Specific Name	Stim
2078	plasmablasts: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT1	IL-7
2079	plasmablasts: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT1	LPS
2080	plasmablasts: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT1	PMA_Iono
2081	plasmablasts: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT1	Unstim
2082	plasmablasts: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT3	IFNa
2083	plasmablasts: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT3	IL-10
2084	plasmablasts: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT3	IL-21
2085	plasmablasts: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT3	IL-6
2086	plasmablasts: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT3	IL-7
2087	plasmablasts: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT3	LPS
2088	plasmablasts: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT3	PMA_Iono
2089	plasmablasts: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT3	Unstim
2090	plasmablasts: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT5	IFNa
2091	plasmablasts: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT5	IL-10
2092	plasmablasts: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT5	IL-21
2093	plasmablasts: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT5	IL-6
2094	plasmablasts: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT5	IL-7

Order	Analyte Generic Name	Analyte Specific Name	Stim
2095	plasmablasts: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT5	LPS
2096	plasmablasts: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT5	PMA_Iono
2097	plasmablasts: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/CD27++CD38++: pSTAT5	Unstim
2098	switched memory B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: IkBtot	IFNa
2099	switched memory B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: IkBtot	IL-10
2100	switched memory B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: IkBtot	IL-21
2101	switched memory B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: IkBtot	IL-6
2102	switched memory B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: IkBtot	IL-7
2103	switched memory B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: IkBtot	LPS
2104	switched memory B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: IkBtot	PMA_Iono
2105	switched memory B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: IkBtot	Unstim
2106	switched memory B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: Ki67	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
2107	switched memory B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: Ki67	IL-10
2108	switched memory B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: Ki67	IL-21
2109	switched memory B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: Ki67	IL-6
2110	switched memory B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: Ki67	IL-7
2111	switched memory B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: Ki67	LPS
2112	switched memory B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: Ki67	PMA_Iono
2113	switched memory B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: Ki67	Unstim
2114	switched memory B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pCREB	IFNa
2115	switched memory B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pCREB	IL-10
2116	switched memory B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pCREB	IL-21
2117	switched memory B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pCREB	IL-6

Order	Analyte Generic Name	Analyte Specific Name	Stim
2118	switched memory B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pCREB	IL-7
2119	switched memory B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pCREB	LPS
2120	switched memory B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pCREB	PMA_Iono
2121	switched memory B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pCREB	Unstim
2122	switched memory B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pErk1_2	IFNa
2123	switched memory B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pErk1_2	IL-10
2124	switched memory B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pErk1_2	IL-21
2125	switched memory B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pErk1_2	IL-6
2126	switched memory B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pErk1_2	IL-7
2127	switched memory B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pErk1_2	LPS
2128	switched memory B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pErk1_2	PMA_Iono

Order	Analyte Generic Name	Analyte Specific Name	Stim
2129	switched memory B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pErk1_2	Unstim
2130	switched memory B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pp38	IFNa
2131	switched memory B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pp38	IL-10
2132	switched memory B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pp38	IL-21
2133	switched memory B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pp38	IL-6
2134	switched memory B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pp38	IL-7
2135	switched memory B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pp38	LPS
2136	switched memory B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pp38	PMA_Iono
2137	switched memory B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pp38	Unstim
2138	switched memory B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pPLCg2	IFNa
2139	switched memory B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pPLCg2	IL-10

Order	Analyte Generic Name	Analyte Specific Name	Stim
2140	switched memory B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pPLCg2	IL-21
2141	switched memory B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pPLCg2	IL-6
2142	switched memory B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pPLCg2	IL-7
2143	switched memory B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pPLCg2	LPS
2144	switched memory B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pPLCg2	PMA_Iono
2145	switched memory B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pPLCg2	Unstim
2146	switched memory B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT1	IFNa
2147	switched memory B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT1	IL-10
2148	switched memory B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT1	IL-21
2149	switched memory B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT1	IL-6
2150	switched memory B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT1	IL-7

Order	Analyte Generic Name	Analyte Specific Name	Stim
2151	switched memory B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT1	LPS
2152	switched memory B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT1	PMA_Iono
2153	switched memory B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT1	Unstim
2154	switched memory B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT3	IFNa
2155	switched memory B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT3	IL-10
2156	switched memory B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT3	IL-21
2157	switched memory B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT3	IL-6
2158	switched memory B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT3	IL-7
2159	switched memory B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT3	LPS
2160	switched memory B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT3	PMA_Iono
2161	switched memory B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT3	Unstim

Order	Analyte Generic Name	Analyte Specific Name	Stim
2162	switched memory B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT5	IFNa
2163	switched memory B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT5	IL-10
2164	switched memory B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT5	IL-21
2165	switched memory B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT5	IL-6
2166	switched memory B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT5	IL-7
2167	switched memory B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT5	LPS
2168	switched memory B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT5	PMA_Iono
2169	switched memory B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/Q1: IgD- , CD27+: pSTAT5	Unstim
2170	Syk+ mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: IkBtot	IFNa
2171	Syk+ mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: IkBtot	IL-10
2172	Syk+ mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: IkBtot	IL-21



Order	Analyte Generic Name	Analyte Specific Name	Stim
2173	Syk+ mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: IkBtot	IL-6
2174	Syk+ mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: IkBtot	IL-7
2175	Syk+ mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: IkBtot	LPS
2176	Syk+ mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: IkBtot	PMA_Iono
2177	Syk+ mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: IkBtot	Unstim
2178	Syk+ mDC: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: Ki67	IFNa
2179	Syk+ mDC: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: Ki67	IL-10
2180	Syk+ mDC: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: Ki67	IL-21
2181	Syk+ mDC: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: Ki67	IL-6
2182	Syk+ mDC: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: Ki67	IL-7
2183	Syk+ mDC: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: Ki67	LPS

Order	Analyte Generic Name	Analyte Specific Name	Stim
2184	Syk+ mDC: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: Ki67	PMA_Iono
2185	Syk+ mDC: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: Ki67	Unstim
2186	Syk+ mDC: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pCREB	IFNa
2187	Syk+ mDC: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pCREB	IL-10
2188	Syk+ mDC: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pCREB	IL-21
2189	Syk+ mDC: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pCREB	IL-6
2190	Syk+ mDC: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pCREB	IL-7
2191	Syk+ mDC: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pCREB	LPS
2192	Syk+ mDC: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pCREB	PMA_Iono
2193	Syk+ mDC: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pCREB	Unstim
2194	Syk+ mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pErk1_2	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
2195	Syk+ mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pErk1_2	IL-10
2196	Syk+ mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pErk1_2	IL-21
2197	Syk+ mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pErk1_2	IL-6
2198	Syk+ mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pErk1_2	IL-7
2199	Syk+ mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pErk1_2	LPS
2200	Syk+ mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pErk1_2	PMA_Iono
2201	Syk+ mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pErk1_2	Unstim
2202	Syk+ mDC: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pp38	IFNa
2203	Syk+ mDC: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pp38	IL-10
2204	Syk+ mDC: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pp38	IL-21
2205	Syk+ mDC: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pp38	IL-6

Order	Analyte Generic Name	Analyte Specific Name	Stim
2206	Syk+ mDC: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pp38	IL-7
2207	Syk+ mDC: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pp38	LPS
2208	Syk+ mDC: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pp38	PMA_Iono
2209	Syk+ mDC: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pp38	Unstim
2210	Syk+ mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pPLCg2	IFNa
2211	Syk+ mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pPLCg2	IL-10
2212	Syk+ mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pPLCg2	IL-21
2213	Syk+ mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pPLCg2	IL-6
2214	Syk+ mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pPLCg2	IL-7
2215	Syk+ mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pPLCg2	LPS
2216	Syk+ mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pPLCg2	PMA_Iono

Order	Analyte Generic Name	Analyte Specific Name	Stim
2217	Syk+ mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pPLCg2	Unstim
2218	Syk+ mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT1	IFNa
2219	Syk+ mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT1	IL-10
2220	Syk+ mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT1	IL-21
2221	Syk+ mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT1	IL-6
2222	Syk+ mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT1	IL-7
2223	Syk+ mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT1	LPS
2224	Syk+ mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT1	PMA_Iono
2225	Syk+ mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT1	Unstim
2226	Syk+ mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT3	IFNa
2227	Syk+ mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT3	IL-10

Order	Analyte Generic Name	Analyte Specific Name	Stim
2228	Syk+ mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT3	IL-21
2229	Syk+ mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT3	IL-6
2230	Syk+ mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT3	IL-7
2231	Syk+ mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT3	LPS
2232	Syk+ mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT3	PMA_Iono
2233	Syk+ mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT3	Unstim
2234	Syk+ mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT5	IFNa
2235	Syk+ mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT5	IL-10
2236	Syk+ mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT5	IL-21
2237	Syk+ mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT5	IL-6
2238	Syk+ mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT5	IL-7

Order	Analyte Generic Name	Analyte Specific Name	Stim
2239	Syk+ mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT5	LPS
2240	Syk+ mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT5	PMA_Iono
2241	Syk+ mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/non CD19+CD20+/non Monos/Syk+ CD11c+: pSTAT5	Unstim
2242	transitional B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: IkBtot	IFNa
2243	transitional B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: IkBtot	IL-10
2244	transitional B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: IkBtot	IL-21
2245	transitional B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: IkBtot	IL-6
2246	transitional B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: IkBtot	IL-7
2247	transitional B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: IkBtot	PMA_Iono
2248	transitional B cells: IkBtot	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: IkBtot	Unstim
2249	transitional B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: Ki67	IFNa

Order	Analyte Generic Name	Analyte Specific Name	Stim
2250	transitional B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: Ki67	IL-10
2251	transitional B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: Ki67	IL-21
2252	transitional B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: Ki67	IL-6
2253	transitional B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: Ki67	IL-7
2254	transitional B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: Ki67	PMA_Iono
2255	transitional B cells: Ki67	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: Ki67	Unstim
2256	transitional B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pCREB	IFNa
2257	transitional B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pCREB	IL-10
2258	transitional B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pCREB	IL-21
2259	transitional B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pCREB	IL-6
2260	transitional B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pCREB	IL-7



Order	Analyte Generic Name	Analyte Specific Name	Stim
2261	transitional B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pCREB	PMA_Iono
2262	transitional B cells: pCREB	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pCREB	Unstim
2263	transitional B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pErk1_2	IFNa
2264	transitional B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pErk1_2	IL-10
2265	transitional B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pErk1_2	IL-21
2266	transitional B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pErk1_2	IL-6
2267	transitional B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pErk1_2	IL-7
2268	transitional B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pErk1_2	PMA_Iono
2269	transitional B cells: pErk1_2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pErk1_2	Unstim
2270	transitional B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pp38	IFNa
2271	transitional B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pp38	IL-10

Order	Analyte Generic Name	Analyte Specific Name	Stim
2272	transitional B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pp38	IL-21
2273	transitional B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pp38	IL-6
2274	transitional B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pp38	IL-7
2275	transitional B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pp38	PMA_Iono
2276	transitional B cells: pp38	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pp38	Unstim
2277	transitional B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pPLCg2	IFNa
2278	transitional B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pPLCg2	IL-10
2279	transitional B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pPLCg2	IL-21
2280	transitional B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pPLCg2	IL-6
2281	transitional B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pPLCg2	IL-7
2282	transitional B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pPLCg2	PMA_Iono

Order	Analyte Generic Name	Analyte Specific Name	Stim
2283	transitional B cells: pPLCg2	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pPLCg2	Unstim
2284	transitional B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT1	IFNa
2285	transitional B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT1	IL-10
2286	transitional B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT1	IL-21
2287	transitional B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT1	IL-6
2288	transitional B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT1	IL-7
2289	transitional B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT1	PMA_Iono
2290	transitional B cells: pSTAT1	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT1	Unstim
2291	transitional B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT3	IFNa
2292	transitional B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT3	IL-10
2293	transitional B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT3	IL-21

Order	Analyte Generic Name	Analyte Specific Name	Stim
2294	transitional B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT3	IL-6
2295	transitional B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT3	IL-7
2296	transitional B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT3	PMA_Iono
2297	transitional B cells: pSTAT3	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT3	Unstim
2298	transitional B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT5	IFNa
2299	transitional B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT5	IL-10
2300	transitional B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT5	IL-21
2301	transitional B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT5	IL-6
2302	transitional B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT5	IL-7
2303	transitional B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT5	PMA_Iono
2304	transitional B cells: pSTAT5	CD45++ CD66low/CD3-/CD123-/BDCA-3 -/Not CD27++CD38++/HLADR+ CD7-/CD19+CD20+/CD24high CD38high: pSTAT5	Unstim
2305	type 2 mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/type 2 mDC: IkBtot	IFNa
2306	type 2 mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/type 2 mDC: IkBtot	IL-10

<b>Order</b>	<b>Analyte Generic Name</b>	<b>Analyte Specific Name</b>	<b>Stim</b>
<b>2307</b>	type 2 mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/type 2 mDC: IkBtot	IL-21
<b>2308</b>	type 2 mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/type 2 mDC: IkBtot	IL-6
<b>2309</b>	type 2 mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/type 2 mDC: IkBtot	IL-7
<b>2310</b>	type 2 mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/type 2 mDC: IkBtot	LPS
<b>2311</b>	type 2 mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/type 2 mDC: IkBtot	PMA_Iono
<b>2312</b>	type 2 mDC: IkBtot	CD45++ CD66low/CD3-/CD123-/type 2 mDC: IkBtot	Unstim
<b>2313</b>	type 2 mDC: Ki67	CD45++ CD66low/CD3-/CD123-/type 2 mDC: Ki67	IFNa
<b>2314</b>	type 2 mDC: Ki67	CD45++ CD66low/CD3-/CD123-/type 2 mDC: Ki67	IL-10
<b>2315</b>	type 2 mDC: Ki67	CD45++ CD66low/CD3-/CD123-/type 2 mDC: Ki67	IL-21
<b>2316</b>	type 2 mDC: Ki67	CD45++ CD66low/CD3-/CD123-/type 2 mDC: Ki67	IL-6
<b>2317</b>	type 2 mDC: Ki67	CD45++ CD66low/CD3-/CD123-/type 2 mDC: Ki67	IL-7
<b>2318</b>	type 2 mDC: Ki67	CD45++ CD66low/CD3-/CD123-/type 2 mDC: Ki67	LPS
<b>2319</b>	type 2 mDC: Ki67	CD45++ CD66low/CD3-/CD123-/type 2 mDC: Ki67	PMA_Iono
<b>2320</b>	type 2 mDC: Ki67	CD45++ CD66low/CD3-/CD123-/type 2 mDC: Ki67	Unstim
<b>2321</b>	type 2 mDC: pCREB	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pCREB	IFNa
<b>2322</b>	type 2 mDC: pCREB	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pCREB	IL-10
<b>2323</b>	type 2 mDC: pCREB	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pCREB	IL-21
<b>2324</b>	type 2 mDC: pCREB	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pCREB	IL-6
<b>2325</b>	type 2 mDC: pCREB	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pCREB	IL-7
<b>2326</b>	type 2 mDC: pCREB	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pCREB	LPS
<b>2327</b>	type 2 mDC: pCREB	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pCREB	PMA_Iono
<b>2328</b>	type 2 mDC: pCREB	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pCREB	Unstim
<b>2329</b>	type 2 mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pErk1_2	IFNa
<b>2330</b>	type 2 mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pErk1_2	IL-10
<b>2331</b>	type 2 mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pErk1_2	IL-21
<b>2332</b>	type 2 mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pErk1_2	IL-6
<b>2333</b>	type 2 mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pErk1_2	IL-7
<b>2334</b>	type 2 mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pErk1_2	LPS
<b>2335</b>	type 2 mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pErk1_2	PMA_Iono
<b>2336</b>	type 2 mDC: pErk1_2	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pErk1_2	Unstim
<b>2337</b>	type 2 mDC: pp38	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pp38	IFNa
<b>2338</b>	type 2 mDC: pp38	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pp38	IL-10

<b>Order</b>	<b>Analyte Generic Name</b>	<b>Analyte Specific Name</b>	<b>Stim</b>
<b>2339</b>	type 2 mDC: pp38	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pp38	IL-21
<b>2340</b>	type 2 mDC: pp38	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pp38	IL-6
<b>2341</b>	type 2 mDC: pp38	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pp38	IL-7
<b>2342</b>	type 2 mDC: pp38	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pp38	LPS
<b>2343</b>	type 2 mDC: pp38	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pp38	PMA_Iono
<b>2344</b>	type 2 mDC: pp38	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pp38	Unstim
<b>2345</b>	type 2 mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pPLCg2	IFNa
<b>2346</b>	type 2 mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pPLCg2	IL-10
<b>2347</b>	type 2 mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pPLCg2	IL-21
<b>2348</b>	type 2 mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pPLCg2	IL-6
<b>2349</b>	type 2 mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pPLCg2	IL-7
<b>2350</b>	type 2 mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pPLCg2	LPS
<b>2351</b>	type 2 mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pPLCg2	PMA_Iono
<b>2352</b>	type 2 mDC: pPLCg2	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pPLCg2	Unstim
<b>2353</b>	type 2 mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT1	IFNa
<b>2354</b>	type 2 mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT1	IL-10
<b>2355</b>	type 2 mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT1	IL-21
<b>2356</b>	type 2 mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT1	IL-6
<b>2357</b>	type 2 mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT1	IL-7
<b>2358</b>	type 2 mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT1	LPS
<b>2359</b>	type 2 mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT1	PMA_Iono
<b>2360</b>	type 2 mDC: pSTAT1	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT1	Unstim
<b>2361</b>	type 2 mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT3	IFNa
<b>2362</b>	type 2 mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT3	IL-10
<b>2363</b>	type 2 mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT3	IL-21
<b>2364</b>	type 2 mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT3	IL-6
<b>2365</b>	type 2 mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT3	IL-7
<b>2366</b>	type 2 mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT3	LPS
<b>2367</b>	type 2 mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT3	PMA_Iono
<b>2368</b>	type 2 mDC: pSTAT3	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT3	Unstim
<b>2369</b>	type 2 mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT5	IFNa
<b>2370</b>	type 2 mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT5	IL-10

<b>Order</b>	<b>Analyte Generic Name</b>	<b>Analyte Specific Name</b>	<b>Stim</b>
<b>2371</b>	type 2 mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT5	IL-21
<b>2372</b>	type 2 mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT5	IL-6
<b>2373</b>	type 2 mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT5	IL-7
<b>2374</b>	type 2 mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT5	LPS
<b>2375</b>	type 2 mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT5	PMA_Iono
<b>2376</b>	type 2 mDC: pSTAT5	CD45++ CD66low/CD3-/CD123-/type 2 mDC: pSTAT5	Unstim

**Supplementary Table 6. Cytokines, chemokines and growth factors analyzed by Luminex.**

<b>50-plex</b>	<b>63-plex</b>	<b>Controls</b>
	BDNF	
	CD40L	
<i>CHEX1</i>	<i>CHEX1</i>	<i>controls</i>
<i>CHEX2</i>	<i>CHEX2</i>	
<i>CHEX3</i>	<i>CHEX3</i>	
<i>CHEX4</i>	<i>CHEX4</i>	
ENA78	EGF	
EOTAXIN	ENA78	
FGFB	EOTAXIN	
GCSF	FASL	
GMCSF	FGFB	
GROA	GCSF	
HGF	GMCSF	
ICAM1	GROA	
IFNA	HGF	
IFNB	ICAM1	
IFNG	IFNA	
IL10	IFNB	
IL12P40	IFNG	
IL12P70	IL10	
IL13	IL12P40	
IL15	IL12P70	
IL17	IL13	
IL17F	IL15	
IL18	IL17A	
IL1A	IL17F	
IL1B	IL18	
IL1RA	IL1A	
IL2	IL1B	
IL4	IL1RA	
IL5	IL2	
IL6	IL21	
IL7	IL22	
IL8	IL23	
IP10	IL27	
LEPTIN	IL31	



<b>50-plex</b>	<b>63-plex</b>	<b>Controls</b>
LIF	IL4	
MCP1	IL5	
MCP3	IL6	
MCSF	IL7	
MIG	IL8	
MIP1A	IL9	
MIP1B	IP10	
NGF	LEPTIN	
PAI1	LIF	
PDGFBB	MCP1	
RANTES	MCP3	
RESISTIN	MCSF	
SCF	MIG	
TGFA	MIP1A	
TGFB	MIP1B	
TNFA	NGF	
TNFB	PAI1	
VCAM1	PDGFBB	
VEGF	PIGF1	
	RANTES	
	RESISTIN	
	SCF	
	SDF1A	
	TGFA	
	TGFB	
	TNFA	
	TNFB	
	TRAIL	
	VCAM1	
	VEGF	
	VEGFD	

**Supplementary Table 9. List of all models built and their minimal and maximal AUROC values.**

Dataset ID	Number of models	Train AUROC (min)	Train AUROC (max)	Improvement (%)
205	35	0.08	0.92	91.3
171	58	0.33	0.71	53.5
169	56	0.33	0.73	54.8
41	62	0.36	0.65	44.6
36	55	0.43	0.79	45.6
35	61	0.29	0.75	61.3
34	43	0.28	0.78	64.1
32	63	0.42	0.66	36.4
15	13	0.28	0.5	44.0
13	52	0.32	0.75	57.3
12	47	0.3	0.64	53.1
10	55	0.43	0.8	46.3
9	71	0.41	0.72	43.1
8	68	0.41	0.63	34.9
7	63	0.37	0.63	41.3
5	58	0.39	0.82	52.4
4	57	0.29	0.87	66.7
3	50	0.39	0.59	33.9
1	58	0.4	0.68	41.2
202	NULL	NULL	NULL	NULL
167	NULL	NULL	NULL	NULL
37	NULL	NULL	NULL	NULL
203	NULL	NULL	NULL	NULL
11	NULL	NULL	NULL	NULL
168	NULL	NULL	NULL	NULL
6	NULL	NULL	NULL	NULL
38	NULL	NULL	NULL	NULL
33	NULL	NULL	NULL	NULL
204	NULL	NULL	NULL	NULL
39	NULL	NULL	NULL	NULL
2	NULL	NULL	NULL	NULL
170	NULL	NULL	NULL	NULL
40	NULL	NULL	NULL	NULL
14	NULL	NULL	NULL	NULL