

# ALTERNATIVE - Ear epidermis immunophenotyping ALTMGP\_EEI\_001

## Parameters and Metadata

### ALTERNATIVE - Tissue volume ALTMGP\_EEI\_001\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um3

Description: ALTERNATIVE - tissue\_volume

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### ALTERNATIVE - DETC coverage ALTMGP\_EEI\_002\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - detc\_coverage

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### ALTERNATIVE - Vg5+ dendritic epidermal T cell (DETC) count ALTMGP\_EEI\_003\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - vg5\_dendritic\_epidermal\_t\_cell\_detc\_count

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**ALTERNATIVE - CD45+ vg5- MHC II- cell count** ALTMGP\_EEI\_04\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - cd45\_vg5\_mhc\_ii\_cell\_count

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**ALTERNATIVE - Count of vg5+ DETC contacting LC** ALTMGP\_EEI\_005\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - count\_of\_vg5\_detc\_contacting\_lc

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**ALTERNATIVE - Count of vg5+ DETC not contacting LC** ALTMGP\_EEI\_006\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - count\_of\_vg5\_detc\_not\_contacting\_lc

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## ALTERNATIVE - Langerhans cell (LC) count ALTMGP\_EEI\_007\_

001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - langerhans\_cell\_lc\_count

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## ALTERNATIVE - Ratio of vg5+ DETC/LC ALTMGP\_EEI\_008\_001 | v1

.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - ratio\_of\_vg5\_detc\_lc

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## ALTERNATIVE - Ratio of contacting/not contacting vg5+ DETC ALTMGP\_EEI\_009\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - ratio\_of\_contacting\_not\_contacting\_vg5\_detc

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## ALTERNATIVE - Ratio of CD45+ vg5- MHC II- cells/vg5+ DETC ALTMGP\_EEI\_010\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - ratio\_of\_cd45\_vg5\_mhc\_ii\_cells\_vg5\_detc

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## ALTERNATIVE - Average volume of vg5+ DETC ALTMGP\_EEI\_011\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um3

Description: ALTERNATIVE - average\_volume\_of\_vg5\_detc

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## ALTERNATIVE - Average volume of CD45+ vg5- MHC II- cells ALTMGP\_EEI\_012\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um3

Description: ALTERNATIVE - average\_volume\_of\_cd45\_vg5\_mhc\_ii\_cells

---

## ALTERNATIVE - Average volume of vg5+ DETC contacting LC

ALTMGP\_EEI\_013\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um3

Description: ALTERNATIVE - average\_volume\_of\_vg5\_detc\_contacting\_lc

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## ALTERNATIVE - Average volume of vg5+ DETC not contacting LC

ALTMGP\_EEI\_014\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um3

Description: ALTERNATIVE - average\_volume\_of\_vg5\_detc\_not\_contacting\_lc

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**ALTERNATIVE - Average volume of LC** ALTMGP\_EEI\_015\_001 | v1.1

simpleParameter

Req. Analysis: false      Req. Upload: true      Is Annotated: false

Unit Measured: um3

Description: ALTERNATIVE - average\_volume\_of\_lc

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**ALTERNATIVE - Average roundness of vg5+ DETC** ALTMGP\_EEI\_016\_001 | v1.1

simpleParameter

Req. Analysis: false      Req. Upload: true      Is Annotated: false

Description: ALTERNATIVE - average\_roundness\_of\_vg5\_detc

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**ALTERNATIVE - Average roundness of CD45+ vg5- MHC II- cells** ALTMGP\_EEI\_017\_001 | v1.1

simpleParameter

Req. Analysis: false      Req. Upload: true      Is Annotated: false

Description: ALTERNATIVE - average\_roundness\_of\_cd45\_vg5\_mhc\_ii\_cells

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## ALTERNATIVE - Average roundness of vg5+ DETC contacting LC

ALTMGP\_EEI\_018\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - average\_roundness\_of\_vg5\_detc\_contacting\_lc

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## ALTERNATIVE - Average roundness of vg5+ DETC not contacting LC

ALTMGP\_EEI\_019\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - average\_roundness\_of\_vg5\_detc\_not\_contacting\_lc

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## ALTERNATIVE - Average roundness of LC

ALTMGP\_EEI\_020\_001

| v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - average\_roundness\_of\_lc

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## ALTERNATIVE - Average no of branches on vg5+ DETC AL

TMGP\_EEI\_021\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - average\_no\_of\_branches\_on\_vg5\_detc

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## ALTERNATIVE - Average no of branches on vg5+ DETC contacting LC

ALTMGP\_EEI\_022\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - average\_no\_of\_branches\_on\_vg5\_detc\_contacting\_lc

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## ALTERNATIVE - Average no of branches on vg5+ DETC not contacting LC

ALTMGP\_EEI\_023\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - average\_no\_of\_branches\_on\_vg5\_detc\_not\_contacting\_lc

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**ALTERNATIVE - Average no of branches on LC** ALTMGP\_EEI\_

024\_001 | v1.1

simpleParameter

**Req. Analysis:** false      **Req. Upload:** true      **Is Annotated:** false

**Description:** ALTERNATIVE - average\_no\_of\_branches\_on\_lc

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**ALTERNATIVE - Average branch length of vg5+ DETC** ALT

MGP\_EEI\_025\_001 | v1.1

simpleParameter

**Req. Analysis:** false      **Req. Upload:** true      **Is Annotated:** false

**Unit Measured:** um

**Description:** ALTERNATIVE - average\_branch\_length\_of\_vg5\_detc

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**ALTERNATIVE - Average branch length of vg5+ DETC contacting LC** ALTMGP\_EEI\_026\_001 | v1.1

simpleParameter

**Req. Analysis:** false      **Req. Upload:** true      **Is Annotated:** false

**Unit Measured:** um

**Description:** ALTERNATIVE - average\_branch\_length\_of\_vg5\_detc\_contacting\_lc

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## ALTERNATIVE - Average branch length of vg5+ DETC not contacting LC

ALTMGP\_EEI\_027\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um

Description: ALTERNATIVE - average\_branch\_length\_of\_vg5\_detc\_not\_contacting\_lc

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## ALTERNATIVE - Average branch length of LC

ALTMGP\_EEI\_02

8\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um

Description: ALTERNATIVE - average\_branch\_length\_of\_lc

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## ALTERNATIVE - F1 tissue volume

ALTMGP\_EEI\_029\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um3

**Description:** ALTERNATIVE - f1\_tissue\_volume

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**ALTERNATIVE - F2 tissue volume** ALTMGP\_EEI\_030\_001 | v1.0

simpleParameter

**Req. Analysis:** false      **Req. Upload:** true      **Is Annotated:** false

**Unit Measured:** um3

**Description:** ALTERNATIVE - f2\_tissue\_volume

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**ALTERNATIVE - F3 tissue volume** ALTMGP\_EEI\_031\_001 | v1.0

simpleParameter

**Req. Analysis:** false      **Req. Upload:** true      **Is Annotated:** false

**Unit Measured:** um3

**Description:** ALTERNATIVE - f3\_tissue\_volume

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**ALTERNATIVE - F1 vg5+ DETC count** ALTMGP\_EEI\_032\_001 | v1.0

simpleParameter

**Req. Analysis:** false      **Req. Upload:** true      **Is Annotated:** false

**Description:** ALTERNATIVE - f1\_vg5\_detc\_count

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**ALTERNATIVE - F2 vg5+ DETC count** ALTMGP\_EEI\_033\_001 | v1.0

simpleParameter

**Req. Analysis:** false      **Req. Upload:** true      **Is Annotated:** false

**Description:** ALTERNATIVE - f2\_vg5\_detc\_count

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**ALTERNATIVE - F3 vg5+ DETC count** ALTMGP\_EEI\_034\_001 | v1.0

simpleParameter

**Req. Analysis:** false      **Req. Upload:** true      **Is Annotated:** false

**Description:** ALTERNATIVE - f3\_vg5\_detc\_count

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**ALTERNATIVE - F1 CD45+ vg5- MHC II- cell count** ALTMGP\_EI\_035\_001 | v1.0

simpleParameter

**Req. Analysis:** false      **Req. Upload:** true      **Is Annotated:** false

**Description:** ALTERNATIVE - f1\_cd45\_vg5\_mhc\_ii\_cell\_count

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## ALTERNATIVE - F2 CD45+ vg5- MHC II- cell count ALTMGP\_E

EI\_036\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** ALTERNATIVE - f2\_cd45\_vg5\_mhc\_ii\_cell\_count

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## ALTERNATIVE - F3 CD45+ vg5- MHC II- cell count ALTMGP\_E

EI\_037\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** ALTERNATIVE - f3\_cd45\_vg5\_mhc\_ii\_cell\_count

---

## ALTERNATIVE - F1 count of vg5+ DETC contacting LC ALT

MGP\_EEI\_038\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** ALTERNATIVE - f1\_count\_of\_vg5\_detc\_contacting\_lc

---

## ALTERNATIVE - F2 count of vg5+ DETC contacting LC ALT

MGP\_EEI\_039\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f2\_count\_of\_vg5\_detc\_contacting\_lc

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## ALTERNATIVE - F3 count of vg5+ DETC contacting LC ALT

MGP\_EEI\_040\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f3\_count\_of\_vg5\_detc\_contacting\_lc

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## ALTERNATIVE - F1 count of vg5+ DETC not contacting LC

ALTMGP\_EEI\_041\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f1\_count\_of\_vg5\_detc\_not\_contacting\_lc

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## ALTERNATIVE - F2 count of vg5+ DETC not contacting LC

ALTMGP\_EEI\_042\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f2\_count\_of\_vg5\_detc\_not\_contacting\_lc

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## ALTERNATIVE - F3 count of vg5+ DETC not contacting LC

ALTMGP\_EEI\_043\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f3\_count\_of\_vg5\_detc\_not\_contacting\_lc

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## ALTERNATIVE - F1 LC count

ALTMGP\_EEI\_044\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f1\_lc\_count

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## ALTERNATIVE - F2 LC count

ALTMGP\_EEI\_045\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f2\_lc\_count

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## ALTERNATIVE - F3 LC count ALTMGP\_EEI\_046\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f3\_lc\_count

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## ALTERNATIVE - F1 ratio of vg5+ DETC/LC ALTMGP\_EEI\_047\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f1\_ratio\_of\_vg5\_detc\_lc

---

## ALTERNATIVE - F2 ratio of vg5+ DETC/LC ALTMGP\_EEI\_048\_001 | v1.0

simpleParameter



Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f2\_ratio\_of\_vg5\_detc\_lc

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## ALTERNATIVE - F3 ratio of vg5+ DETC/LC ALTMGP\_EEI\_049\_001

| v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f3\_ratio\_of\_vg5\_detc\_lc

---

## ALTERNATIVE - F1 ratio of contacting/not contacting vg5+ DETC ALTMGP\_EEI\_050\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f1\_ratio\_of\_contacting\_not\_contacting\_vg5\_detc

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## ALTERNATIVE - F2 ratio of contacting/not contacting vg5+ DETC ALTMGP\_EEI\_051\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f2\_ratio\_of\_contacting\_not\_contacting\_vg5\_detc

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## ALTERNATIVE - F3 ratio of contacting/not contacting vg5+ DETC ALTMGP\_EEI\_052\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f3\_ratio\_of\_contacting\_not\_contacting\_vg5\_detc

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## ALTERNATIVE - F1 ratio of CD45+ vg5- MHC II- cells/vg5+ DETC ALTMGP\_EEI\_053\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f1\_ratio\_of\_cd45\_vg5\_mhc\_ii\_cells\_vg5\_detc

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## ALTERNATIVE - F2 ratio of CD45+ vg5- MHC II- cells/vg5+ DETC ALTMGP\_EEI\_054\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

**Description:** ALTERNATIVE - f2\_ratio\_of\_cd45\_vg5\_mhc\_ii\_cells\_vg5\_detc

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## **ALTERNATIVE - F3 ratio of CD45+ vg5- MHC II- cells/vg5+ DETC** ALTMGP\_EEI\_055\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** ALTERNATIVE - f3\_ratio\_of\_cd45\_vg5\_mhc\_ii\_cells\_vg5\_detc

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## **ALTERNATIVE - F1 average volume of vg5+ DETC** ALTMGP\_EEI\_056\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** um3

**Description:** ALTERNATIVE - f1\_average\_volume\_of\_vg5\_detc

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## **ALTERNATIVE - F2 average volume of vg5+ DETC** ALTMGP\_EEI\_057\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um3

Description: ALTERNATIVE - f2\_average\_volume\_of\_vg5\_detc

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## ALTERNATIVE - F3 average volume of vg5+ DETC ALTMGP\_EEI\_058\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um3

Description: ALTERNATIVE - f3\_average\_volume\_of\_vg5\_detc

---

## ALTERNATIVE - F1 average volume of CD45+ vg5- MHC II- cells ALTMGP\_EEI\_059\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um3

Description: ALTERNATIVE - f1\_average\_volume\_of\_cd45\_vg5\_mhc\_ii\_cells

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## ALTERNATIVE - F2 average volume of CD45+ vg5- MHC II- cells

ALTMGP\_EEI\_060\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um3

Description: ALTERNATIVE - f2\_average\_volume\_of\_cd45\_vg5\_mhc\_ii\_cells

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## ALTERNATIVE - F3 average volume of CD45+ vg5- MHC II- cells

ALTMGP\_EEI\_061\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um3

Description: ALTERNATIVE - f3\_average\_volume\_of\_cd45\_vg5\_mhc\_ii\_cells

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## ALTERNATIVE - F1 average volume of vg5+ DETC contacting LC

ALTMGP\_EEI\_062\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um3

Description: ALTERNATIVE - f1\_average\_volume\_of\_vg5\_detc\_contacting\_lc

---

## ALTERNATIVE - F2 average volume of vg5+ DETC contacting LC

ALTMGP\_EEI\_063\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um3

Description: ALTERNATIVE - f2\_average\_volume\_of\_vg5\_detc\_contacting\_lc

---

## ALTERNATIVE - F3 average volume of vg5+ DETC contacting LC

ALTMGP\_EEI\_064\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um3

Description: ALTERNATIVE - f3\_average\_volume\_of\_vg5\_detc\_contacting\_lc

---

## ALTERNATIVE - F1 average volume of vg5+ DETC not contacting LC

ALTMGP\_EEI\_065\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

**Unit Measured:** um3

**Description:** ALTERNATIVE - f1\_average\_volume\_of\_vg5\_detc\_not\_contacting\_lc

---

## **ALTERNATIVE - F2 average volume of vg5+ DETC not contacting LC** ALTMGP\_EEI\_066\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** um3

**Description:** ALTERNATIVE - f2\_average\_volume\_of\_vg5\_detc\_not\_contacting\_lc

---

## **ALTERNATIVE - F3 average volume of vg5+ DETC not contacting LC** ALTMGP\_EEI\_067\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** um3

**Description:** ALTERNATIVE - f3\_average\_volume\_of\_vg5\_detc\_not\_contacting\_lc

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## **ALTERNATIVE - F1 average volume of LC** ALTMGP\_EEI\_068\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** um3

**Description:** ALTERNATIVE - f1\_average\_volume\_of\_lc

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## ALTERNATIVE - F2 average volume of LC ALTMGP\_EEI\_069\_001

| v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** um3

**Description:** ALTERNATIVE - f2\_average\_volume\_of\_lc

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## ALTERNATIVE - F3 average volume of LC ALTMGP\_EEI\_070\_001

| v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** um3

**Description:** ALTERNATIVE - f3\_average\_volume\_of\_lc

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## ALTERNATIVE - F1 average roundness of vg5+ DETC ALTM

GP\_EEI\_071\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f1\_average\_roundness\_of\_vg5\_detc

---

## ALTERNATIVE - F2 average roundness of vg5+ DETC ALTM

GP\_EEI\_072\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f2\_average\_roundness\_of\_vg5\_detc

---

## ALTERNATIVE - F3 average roundness of vg5+ DETC ALTM

GP\_EEI\_073\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f3\_average\_roundness\_of\_vg5\_detc

---

## ALTERNATIVE - F1 average roundness of CD45+ vg5-MHC II- cells

ALTMGP\_EEI\_074\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f1\_average\_roundness\_of\_cd45\_vg5\_mhc\_ii\_cells

---

## ALTERNATIVE - F2 average roundness of CD45+ vg5-MHC II- cells

ALTMGP\_EEI\_075\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f2\_average\_roundness\_of\_cd45\_vg5\_mhc\_ii\_cells

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## ALTERNATIVE - F3 average roundness of CD45+ vg5-MHC II- cells

ALTMGP\_EEI\_076\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f3\_average\_roundness\_of\_cd45\_vg5\_mhc\_ii\_cells

---

## ALTERNATIVE - F1 average roundness of vg5+ DETC contacting LC

ALTMGP\_EEI\_077\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f1\_average\_roundness\_of\_vg5\_detc\_contacting\_lc

---

## ALTERNATIVE - F2 average roundness of vg5+ DETC contacting LC

ALTMGP\_EEI\_078\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f2\_average\_roundness\_of\_vg5\_detc\_contacting\_lc

---

## ALTERNATIVE - F3 average roundness of vg5+ DETC contacting LC

ALTMGP\_EEI\_079\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f3\_average\_roundness\_of\_vg5\_detc\_contacting\_lc

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**ALTERNATIVE - F1 average roundness of vg5+ DETC not contacting LC** ALTMGP\_EEI\_080\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: true      Is Annotated: false

Description: ALTERNATIVE - f1\_average\_roundness\_of\_vg5\_detc\_not\_contacting\_lc

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**ALTERNATIVE - F2 average roundness of vg5+ DETC not contacting LC** ALTMGP\_EEI\_081\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: true      Is Annotated: false

Description: ALTERNATIVE - f2\_average\_roundness\_of\_vg5\_detc\_not\_contacting\_lc

-----

**ALTERNATIVE - F3 average roundness of vg5+ DETC not contacting LC** ALTMGP\_EEI\_082\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: true      Is Annotated: false

Description: ALTERNATIVE - f3\_average\_roundness\_of\_vg5\_detc\_not\_contacting\_lc

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## ALTERNATIVE - F1 average roundness of LC ALTMGP\_EEI\_083

\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f1\_average\_roundness\_of\_lc

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## ALTERNATIVE - F2 average roundness of LC ALTMGP\_EEI\_084

\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f2\_average\_roundness\_of\_lc

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## ALTERNATIVE - F3 average roundness of LC ALTMGP\_EEI\_085

\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f3\_average\_roundness\_of\_lc

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## ALTERNATIVE - F1 average no of branches on vg5+ DETC

ALTMGP\_EEI\_086\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f1\_average\_no\_of\_branches\_on\_vg5\_detc

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## ALTERNATIVE - F2 average no of branches on vg5+ DETC

ALTMGP\_EEI\_087\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f2\_average\_no\_of\_branches\_on\_vg5\_detc

---

## ALTERNATIVE - F3 average no of branches on vg5+ DETC

ALTMGP\_EEI\_088\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f3\_average\_no\_of\_branches\_on\_vg5\_detc

---

## ALTERNATIVE - F1 average no of branches on vg5+ DETC contacting LC

ALTMGP\_EEI\_089\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f1\_average\_no\_of\_branches\_on\_vg5\_detc\_contacting\_lc

---

## ALTERNATIVE - F2 average no of branches on vg5+ DETC contacting LC

ALTMGP\_EEI\_090\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f2\_average\_no\_of\_branches\_on\_vg5\_detc\_contacting\_lc

---

## ALTERNATIVE - F3 average no of branches on vg5+ DETC contacting LC

ALTMGP\_EEI\_091\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f3\_average\_no\_of\_branches\_on\_vg5\_detc\_contacting\_lc

---

## ALTERNATIVE - F1 average no of branches on vg5+ DETC not contacting LC

ALTMGP\_EEI\_092\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f1\_average\_no\_of\_branches\_on\_vg5\_detc\_not\_contacting\_lc

---

## ALTERNATIVE - F2 average no of branches on vg5+ DETC not contacting LC

ALTMGP\_EEI\_093\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f2\_average\_no\_of\_branches\_on\_vg5\_detc\_not\_contacting\_lc

---

## ALTERNATIVE - F3 average no of branches on vg5+ DETC not contacting LC

ALTMGP\_EEI\_094\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f3\_average\_no\_of\_branches\_on\_vg5\_detc\_not\_contacting\_lc

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## ALTERNATIVE - F1 average no of branches on LC ALTMGP\_

EEI\_095\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f1\_average\_no\_of\_branches\_on\_lc

---

## ALTERNATIVE - F2 average no of branches on LC ALTMGP\_

EEI\_096\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f2\_average\_no\_of\_branches\_on\_lc

---

## ALTERNATIVE - F3 average no of branches on LC ALTMGP\_

EEI\_097\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - f3\_average\_no\_of\_branches\_on\_lc

---

## ALTERNATIVE - F1 average branch length of vg5+ DETC <sup>A</sup>

LTMGP\_EEI\_098\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um

Description: ALTERNATIVE - f1\_average\_branch\_length\_of\_vg5\_detc

---

## ALTERNATIVE - F2 average branch length of vg5+ DETC <sup>A</sup>

LTMGP\_EEI\_099\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um

Description: ALTERNATIVE - f2\_average\_branch\_length\_of\_vg5\_detc

---

## ALTERNATIVE - F3 average branch length of vg5+ DETC <sup>A</sup>

LTMGP\_EEI\_100\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um

Description: ALTERNATIVE - f3\_average\_branch\_length\_of\_vg5\_detc

---

## ALTERNATIVE - F1 average branch length of vg5+ DETC contacting LC

ALTMGP\_EEI\_101\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um

Description: ALTERNATIVE - f1\_average\_branch\_length\_of\_vg5\_detc\_contacting\_lc

---

## ALTERNATIVE - F2 average branch length of vg5+ DETC contacting LC

ALTMGP\_EEI\_102\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um

Description: ALTERNATIVE - f2\_average\_branch\_length\_of\_vg5\_detc\_contacting\_lc

---

## ALTERNATIVE - F3 average branch length of vg5+ DETC contacting LC

ALTMGP\_EEI\_103\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

**Unit Measured:** um

**Description:** ALTERNATIVE - f3\_average\_branch\_length\_of\_vg5\_detc\_contacting\_lc

---

**ALTERNATIVE - F1 average branch length of vg5+ DETC not contacting LC** ALTMGP\_EEI\_104\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** um

**Description:** ALTERNATIVE - f1\_average\_branch\_length\_of\_vg5\_detc\_not\_contacting\_lc

---

**ALTERNATIVE - F2 average branch length of vg5+ DETC not contacting LC** ALTMGP\_EEI\_105\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** um

**Description:** ALTERNATIVE - f2\_average\_branch\_length\_of\_vg5\_detc\_not\_contacting\_lc

---

**ALTERNATIVE - F3 average branch length of vg5+ DETC not contacting LC** ALTMGP\_EEI\_106\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: true      Is Annotated: false

Unit Measured: um

Description: ALTERNATIVE - f3\_average\_branch\_length\_of\_vg5\_detc\_not\_contacting\_lc

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**ALTERNATIVE - F1 average branch length of LC** ALTMGP\_EEI  
\_107\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: true      Is Annotated: false

Unit Measured: um

Description: ALTERNATIVE - f1\_average\_branch\_length\_of\_lc

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**ALTERNATIVE - F2 average branch length of LC** ALTMGP\_EEI  
\_108\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: true      Is Annotated: false

Unit Measured: um

Description: ALTERNATIVE - f2\_average\_branch\_length\_of\_lc

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## ALTERNATIVE - F3 average branch length of LC ALTMGP\_EEI

\_109\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: um

Description: ALTERNATIVE - f3\_average\_branch\_length\_of\_lc

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## ALTERNATIVE - Type of gd T cell ALTMGP\_EEI\_110\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - type\_of\_gd\_t\_cell

Options: All epidermal gd T cells, Vg5+ epidermal gd T cells only,

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## ALTERNATIVE - Stain ALTMGP\_EEI\_111\_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - stain

Options:

(C) tcrd vg5 (536) FITC - MHC II (M5/114.15.2) alexafluor647- CD45 (30-F11) efluor450,

(B) tcrd vg5 (536) FITC - MHC II (M5/114.15.2) alexafluor647,  
(A) tcrd (GL3) FITC - MHC II (M5/114.15.2) alexafluor647, Wright giemsa,

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**ALTERNATIVE - Microscope** ALTMGP\_EEI\_112\_001 | v1.0  
procedureMetadata

Req. Analysis: false      Req. Upload: true      Is Annotated: false

Description: ALTERNATIVE - microscope  
  
Options: Leica SP2, Leica SP5, Zeiss axioplan, Nikon wide-field inverted TE2000U, Leica DFC300FX (12730046),

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**ALTERNATIVE - Comment** ALTMGP\_EEI\_113\_001 | v1.0  
simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE - comment

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**ALTERNATIVE - Images** ALTMGP\_EEI\_114\_001 | v1.0  
seriesMediaParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE -

**Increments:** Minimum 1

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