# Ear epidermis immunophenotyping MGP_EEI_001

## Purpose

Ear epidermis immunophenotyping

## Parameters and Metadata

### Tissue volume MGP_EEI_001_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** tissue_volume

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### DETC coverage MGP_EEI_002_001 | v1.0

simpleParameter

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

**Unit Measured:** %

**Description:** detc_coverage

---

## Vg5+ dendritic epidermal T cell (DETC) count MGP_EEI_003_001 | v1.1

simpleParameter

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

**Description:** vg5_dendritic_epidermal_t_cell_detc_count

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## CD45+ vg5- MHC II- cell count MGP_EEI_004_001 | v1.1

simpleParameter

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

**Description:** cd45_vg5_mhc_ii_cell_count

---

## Count of vg5+ DETC contacting LC MGP_EEI_005_001 | v1.1

simpleParameter

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

**Description:** count_of_vg5_detc_contacting_lc

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## Count of vg5+ DETC not contacting LC MGP_EEI_006_001 | v1.1

simpleParameter

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

**Description:** count_of_vg5_detc_not_contacting_lc

---

## Langerhans cell (LC) count MGP_EEI_007_001 | v1.1

simpleParameter

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

**Description:** langerhans_cell_lc_count

---

## Ratio of vg5+ DETC/LC MGP_EEI_008_001 | v1.1

simpleParameter

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

**Description:** ratio_of_vg5_detc_lc

---

## Ratio of contacting/not contacting vg5+ DETC MGP_EEI_009_001 | v1.1

simpleParameter

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

**Description:** ratio_of_contacting_not_contacting_vg5_detc

---

## Ratio of CD45+ vg5- MHC II- cells/vg5+ DETC MGP_EEI_010_001 | v1.1

simpleParameter

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

**Description:** ratio_of_cd45_vg5_mhc_ii_cells_vg5_detc

---

## Average volume of vg5+ DETC MGP_EEI_011_001 | v1.1

simpleParameter

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

**Unit Measured:** um3

**Description:** average_volume_of_vg5_detc

---

## Average volume of CD45+ vg5- MHC II- cells MGP_EEI_012_001 | v1.1

simpleParameter

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

**Unit Measured:** um3

**Description:** average_volume_of_cd45_vg5_mhc_ii_cells

---

## Average volume of vg5+ DETC contacting LC MGP_EEI_013_001 | v1.1

simpleParameter

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

**Unit Measured:** um3

**Description:** average_volume_of_vg5_detc_contacting_lc

---

## Average volume of vg5+ DETC not contacting LC MGP_EEI_014_001 | v1.1

simpleParameter

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

**Unit Measured:** um3

**Description:** average_volume_of_vg5_detc_not_contacting_lc

---

## Average volume of LC MGP_EEI_015_001 | v1.1

simpleParameter

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

**Unit Measured:** um3

**Description:** average_volume_of_lc

---

## Average roundness of vg5+ DETC MGP_EEI_016_001 | v1.1

simpleParameter

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

**Description:** average_roundness_of_vg5_detc

---

## Average roundness of CD45+ vg5- MHC II- cells MGP_EEI_017_001 | v1.1

simpleParameter

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

**Description:** average_roundness_of_cd45_vg5_mhc_ii_cells

---

## Average roundness of vg5+ DETC contacting LC MGP_EEI_018_001 | v1.1

simpleParameter

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

**Description:** average_roundness_of_vg5_detc_contacting_lc

---

## Average roundness of vg5+ DETC not contacting LC MGP_EEI_019_001 | v1.1

simpleParameter

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

**Description:** average_roundness_of_vg5_detc_not_contacting_lc

---

## Average roundness of LC MGP_EEI_020_001 | v1.1

simpleParameter

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

**Description:** average_roundness_of_lc

---

## Average no of branches on vg5+ DETC MGP_EEI_021_001 | v1.1

simpleParameter

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

**Description:** average_no_of_branches_on_vg5_detc

---

## Average no of branches on vg5+ DETC contacting LC MGP_EEI_022_001 | v1.1

simpleParameter

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

**Description:** average_no_of_branches_on_vg5_detc_contacting_lc

---

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

MGP_EEI_023_001 | v1.1

simpleParameter

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

**Description:** average_no_of_branches_on_vg5_detc_not_contacting_lc

---

## Average no of branches on LC MGP_EEI_024_001 | v1.1

simpleParameter

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

**Description:** average_no_of_branches_on_lc

## Average branch length of vg5+ DETC MGP_EEI_025_001 | v1.1

simpleParameter

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

**Unit Measured:** um

**Description:** average_branch_length_of_vg5_detc

---

## Average branch length of vg5+ DETC contacting LC MGP_EEI_026_001 | v1.1

simpleParameter

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

**Unit Measured:** um

**Description:** average_branch_length_of_vg5_detc_contacting_lc

---

## Average branch length of vg5+ DETC not contacting LC MGP_EEI_027_001 | v1.1

simpleParameter

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

**Unit Measured:** um

**Description:** average_branch_length_of_vg5_detc_not_contacting_lc

---

## Average branch length of LC MGP_EEI_028_001 | v1.1

simpleParameter

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

**Unit Measured:** um

**Description:** average_branch_length_of_lc

---

## F1 tissue volume MGP_EEI_029_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f1_tissue_volume

---

## F2 tissue volume MGP_EEI_030_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f2_tissue_volume

---

## F3 tissue volume MGP_EEI_031_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f3_tissue_volume

---

## F1 vg5+ DETC count MGP_EEI_032_001 | v1.0

simpleParameter

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

**Description:** f1_vg5_detc_count

---

## F2 vg5+ DETC count MGP_EEI_033_001 | v1.0

simpleParameter

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

**Description:** f2_vg5_detc_count

---

## F3 vg5+ DETC count MGP_EEI_034_001 | v1.0

simpleParameter

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

**Description:** f3_vg5_detc_count

---

## F1 CD45+ vg5- MHC II- cell count MGP_EEI_035_001 | v1.0

simpleParameter

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

**Description:** f1_cd45_vg5_mhc_ii_cell_count

---

## F2 CD45+ vg5- MHC II- cell count MGP_EEI_036_001 | v1.0

simpleParameter

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

**Description:** f2_cd45_vg5_mhc_ii_cell_count

---

## F3 CD45+ vg5- MHC II- cell count MGP_EEI_037_001 | v1.0

simpleParameter

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

**Description:** f3_cd45_vg5_mhc_ii_cell_count

---

## F1 count of vg5+ DETC contacting LC MGP_EEI_038_001 | v1.0

simpleParameter

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

**Description:** f1_count_of_vg5_detc_contacting_lc

---

## F2 count of vg5+ DETC contacting LC MGP_EEI_039_001 | v1.0

simpleParameter

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

**Description:** f2_count_of_vg5_detc_contacting_lc

---

## F3 count of vg5+ DETC contacting LC MGP_EEI_040_001 | v1.0

simpleParameter

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

**Description:** f3_count_of_vg5_detc_contacting_lc

---

## F1 count of vg5+ DETC not contacting LC MGP_EEI_041_001 | v1.0

simpleParameter

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

**Description:** f1_count_of_vg5_detc_not_contacting_lc

---

## F2 count of vg5+ DETC not contacting LC MGP_EEI_042_001 | v1.0

simpleParameter

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

**Description:** f2_count_of_vg5_detc_not_contacting_lc

---

## F3 count of vg5+ DETC not contacting LC MGP_EEI_043_001 | v1.0

simpleParameter

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

**Description:** f3_count_of_vg5_detc_not_contacting_lc

---

## F1 LC count MGP_EEI_044_001 | v1.0

simpleParameter

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

**Description:** f1_lc_count

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## F2 LC count MGP_EEI_045_001 | v1.0

simpleParameter

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

**Description:** f2_lc_count

---

## F3 LC count MGP_EEI_046_001 | v1.0

simpleParameter

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

**Description:** f3_lc_count

## F1 ratio of vg5+ DETC/LC MGP_EEI_047_001 | v1.0

simpleParameter

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

**Description:** f1_ratio_of_vg5_detc_lc

---

## F2 ratio of vg5+ DETC/LC MGP_EEI_048_001 | v1.0

simpleParameter

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

**Description:** f2_ratio_of_vg5_detc_lc

---

## F3 ratio of vg5+ DETC/LC MGP_EEI_049_001 | v1.0

simpleParameter

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

**Description:** f3_ratio_of_vg5_detc_lc

---

## F1 ratio of contacting/not contacting vg5+ DETC MGP_EEI_050_001 | v1.0

simpleParameter

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

**Description:** f1_ratio_of_contacting_not_contacting_vg5_detc

---

## F2 ratio of contacting/not contacting vg5+ DETC MGP_EEI_051_001 | v1.0

simpleParameter

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

**Description:** f2_ratio_of_contacting_not_contacting_vg5_detc

---

## F3 ratio of contacting/not contacting vg5+ DETC MGP_EEI_052_001 | v1.0

simpleParameter

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

**Description:** f3_ratio_of_contacting_not_contacting_vg5_detc

---

## F1 ratio of CD45+ vg5- MHC II- cells/vg5+ DETC MGP_EEI_053_001 | v1.0

simpleParameter

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

**Description:** f1_ratio_of_cd45_vg5_mhc_ii_cells_vg5_detc

---

## F2 ratio of CD45+ vg5- MHC II- cells/vg5+ DETC MGP_EEI_054_001 | v1.0

simpleParameter

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

**Description:** f2_ratio_of_cd45_vg5_mhc_ii_cells_vg5_detc

---

## F3 ratio of CD45+ vg5- MHC II- cells/vg5+ DETC MGP_EEI_055_001 | v1.0

simpleParameter

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

**Description:** f3_ratio_of_cd45_vg5_mhc_ii_cells_vg5_detc

---

## F1 average volume of vg5+ DETC MGP_EEI_056_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f1_average_volume_of_vg5_detc

---

## F2 average volume of vg5+ DETC MGP_EEI_057_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f2_average_volume_of_vg5_detc

---

## F3 average volume of vg5+ DETC MGP_EEI_058_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f3_average_volume_of_vg5_detc

---

## F1 average volume of CD45+ vg5- MHC II- cells MGP_EEI_059_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f1_average_volume_of_cd45_vg5_mhc_ii_cells

---

## F2 average volume of CD45+ vg5- MHC II- cells MGP_EEI_060_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f2_average_volume_of_cd45_vg5_mhc_ii_cells

---

## F3 average volume of CD45+ vg5- MHC II- cells MGP_EEI_061_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f3_average_volume_of_cd45_vg5_mhc_ii_cells

## F1 average volume of vg5+ DETC contacting LC MGP_EEI_062_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f1_average_volume_of_vg5_detc_contacting_lc

---

## F2 average volume of vg5+ DETC contacting LC MGP_EEI_063_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f2_average_volume_of_vg5_detc_contacting_lc

---

## F3 average volume of vg5+ DETC contacting LC MGP_EEI_064_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f3_average_volume_of_vg5_detc_contacting_lc

---

## F1 average volume of vg5+ DETC not contacting LC MGP_EEI_065_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f1_average_volume_of_vg5_detc_not_contacting_lc

---

## F2 average volume of vg5+ DETC not contacting LC MGP_EEI_066_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f2_average_volume_of_vg5_detc_not_contacting_lc

---

## F3 average volume of vg5+ DETC not contacting LC MGP_EEI_067_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f3_average_volume_of_vg5_detc_not_contacting_lc

---

## F1 average volume of LC MGP_EEI_068_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f1_average_volume_of_lc

---

## F2 average volume of LC MGP_EEI_069_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f2_average_volume_of_lc

---

## F3 average volume of LC MGP_EEI_070_001 | v1.0

simpleParameter

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

**Unit Measured:** um3

**Description:** f3_average_volume_of_lc

---

## F1 average roundness of vg5+ DETC MGP_EEI_071_001 | v1.0

simpleParameter

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

**Description:** f1_average_roundness_of_vg5_detc

---

## F2 average roundness of vg5+ DETC MGP_EEI_072_001 | v1.0

simpleParameter

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

**Description:** f2_average_roundness_of_vg5_detc

---

## F3 average roundness of vg5+ DETC MGP_EEI_073_001 | v1.0

simpleParameter

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

**Description:** f3_average_roundness_of_vg5_detc

---

## F1 average roundness of CD45+ vg5- MHC II- cells MGP_EEI_074_001 | v1.0

simpleParameter

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

**Description:** f1_average_roundness_of_cd45_vg5_mhc_ii_cells

---

## F2 average roundness of CD45+ vg5- MHC II- cells MGP_EEI_075_001 | v1.0

simpleParameter

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

**Description:** f2_average_roundness_of_cd45_vg5_mhc_ii_cells

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## F3 average roundness of CD45+ vg5- MHC II- cells MGP_EEI_076_001 | v1.0

simpleParameter

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

**Description:** f3_average_roundness_of_cd45_vg5_mhc_ii_cells

---

## F1 average roundness of vg5+ DETC contacting LC MGP_EEI_077_001 | v1.0

simpleParameter

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

**Description:** f1_average_roundness_of_vg5_detc_contacting_lc

---

## F2 average roundness of vg5+ DETC contacting LC MGP_EEI_078_001 | v1.0

simpleParameter

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

**Description:** f2_average_roundness_of_vg5_detc_contacting_lc

---

## F3 average roundness of vg5+ DETC contacting LC MGP_EEI_079_001 | v1.0

simpleParameter

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

**Description:** f3_average_roundness_of_vg5_detc_contacting_lc

---

## F1 average roundness of vg5+ DETC not contacting LC MG

P_EEI_080_001 | v1.0

simpleParameter

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

**Description:** f1_average_roundness_of_vg5_detc_not_contacting_lc

---

## F2 average roundness of vg5+ DETC not contacting LC MG

P_EEI_081_001 | v1.0

simpleParameter

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

**Description:** f2_average_roundness_of_vg5_detc_not_contacting_lc

---

## F3 average roundness of vg5+ DETC not contacting LC MG

P_EEI_082_001 | v1.0

simpleParameter

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

**Description:** f3_average_roundness_of_vg5_detc_not_contacting_lc

---

## F1 average roundness of LC MGP_EEI_083_001 | v1.0

simpleParameter

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

**Description:** f1_average_roundness_of_lc

---

## F2 average roundness of LC MGP_EEI_084_001 | v1.0

simpleParameter

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

**Description:** f2_average_roundness_of_lc

---

## F3 average roundness of LC MGP_EEI_085_001 | v1.0

simpleParameter

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

**Description:** f3_average_roundness_of_lc

---

## F1 average no of branches on vg5+ DETC MGP_EEI_086_001 | v1.0

simpleParameter

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

**Description:** f1_average_no_of_branches_on_vg5_detc

---

## F2 average no of branches on vg5+ DETC MGP_EEI_087_001 | v1.0

simpleParameter

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

**Description:** f2_average_no_of_branches_on_vg5_detc

---

## F3 average no of branches on vg5+ DETC MGP_EEI_088_001 | v1.0

simpleParameter

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

**Description:** f3_average_no_of_branches_on_vg5_detc

---

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

GP_EEI_089_001 | v1.0

simpleParameter

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

**Description:** f1_average_no_of_branches_on_vg5_detc_contacting_lc

---

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

GP_EEI_090_001 | v1.0

simpleParameter

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

**Description:** f2_average_no_of_branches_on_vg5_detc_contacting_lc

---

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

GP_EEI_091_001 | v1.0

simpleParameter

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

**Description:** f3_average_no_of_branches_on_vg5_detc_contacting_lc

---

## F1 average no of branches on vg5+ DETC not contacting LC MGP_EEI_092_001 | v1.0

simpleParameter

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

**Description:** f1_average_no_of_branches_on_vg5_detc_not_contacting_lc

---

## F2 average no of branches on vg5+ DETC not contacting LC MGP_EEI_093_001 | v1.0

simpleParameter

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

**Description:** f2_average_no_of_branches_on_vg5_detc_not_contacting_lc

---

## F3 average no of branches on vg5+ DETC not contacting LC MGP_EEI_094_001 | v1.0

simpleParameter

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

**Description:** f3_average_no_of_branches_on_vg5_detc_not_contacting_lc

---

## F1 average no of branches on LC MGP_EEI_095_001 | v1.0

simpleParameter

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

**Description:** f1_average_no_of_branches_on_lc

---

## F2 average no of branches on LC MGP_EEI_096_001 | v1.0

simpleParameter

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

**Description:** f2_average_no_of_branches_on_lc

---

## F3 average no of branches on LC MGP_EEI_097_001 | v1.0

simpleParameter

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

**Description:** f3_average_no_of_branches_on_lc

---

## F1 average branch length of vg5+ DETC MGP_EEI_098_001 | v1.0

simpleParameter

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

**Unit Measured:** um

**Description:** f1_average_branch_length_of_vg5_detc

---

## F2 average branch length of vg5+ DETC MGP_EEI_099_001 | v1.0

simpleParameter

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

**Unit Measured:** um

**Description:** f2_average_branch_length_of_vg5_detc

---

## F3 average branch length of vg5+ DETC MGP_EEI_100_001 | v1.0

simpleParameter

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

**Unit Measured:** um

**Description:** f3_average_branch_length_of_vg5_detc

---

## F1 average branch length of vg5+ DETC contacting LC MGP_EEI_101_001 | v1.0

simpleParameter

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

**Unit Measured:** um

**Description:** f1_average_branch_length_of_vg5_detc_contacting_lc

---

## F2 average branch length of vg5+ DETC contacting LC MG_P_EEI_102_001 | v1.0

simpleParameter

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

**Unit Measured:** um

**Description:** f2_average_branch_length_of_vg5_detc_contacting_lc

---

## F3 average branch length of vg5+ DETC contacting LC MG_P_EEI_103_001 | v1.0

simpleParameter

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

**Unit Measured:** um

**Description:** f3_average_branch_length_of_vg5_detc_contacting_lc

---

## F1 average branch length of vg5+ DETC not contacting LC MGP_EEI_104_001 | v1.0

simpleParameter

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

**Unit Measured:** um

**Description:** f1_average_branch_length_of_vg5_detc_not_contacting_lc

---

## F2 average branch length of vg5+ DETC not contacting LC MGP_EEI_105_001 | v1.0

simpleParameter

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

**Unit Measured:** um

**Description:** f2_average_branch_length_of_vg5_detc_not_contacting_lc

---

## F3 average branch length of vg5+ DETC not contacting LC MGP_EEI_106_001 | v1.0

simpleParameter

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

**Unit Measured:** um

**Description:** f3_average_branch_length_of_vg5_detc_not_contacting_lc

---

## F1 average branch length of LC MGP_EEI_107_001 | v1.0

simpleParameter

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

**Unit Measured:** um

**Description:** f1_average_branch_length_of_lc

---

## F2 average branch length of LC MGP_EEI_108_001 | v1.0

simpleParameter

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

**Unit Measured:** um

**Description:** f2_average_branch_length_of_lc

---

## F3 average branch length of LC MGP_EEI_109_001 | v1.0

simpleParameter

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

**Unit Measured:** um

**Description:** f3_average_branch_length_of_lc

## Type of gd T cell MGP_EEI_110_001 | v1.0

simpleParameter

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

**Description:** type_of_gd_t_cell

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

---

## Stain MGP_EEI_111_001 | v1.0

procedureMetadata

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

**Description:** 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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## Microscope MGP_EEI_112_001 | v1.0

procedureMetadata

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

**Description:** microscope

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

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## Comment MGP_EEI_113_001 | v1.0

simpleParameter

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

**Description:** comment

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## Images MGP_EEI_114_001 | v1.0

seriesMediaParameter

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

**Increments:** Minimum 1

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