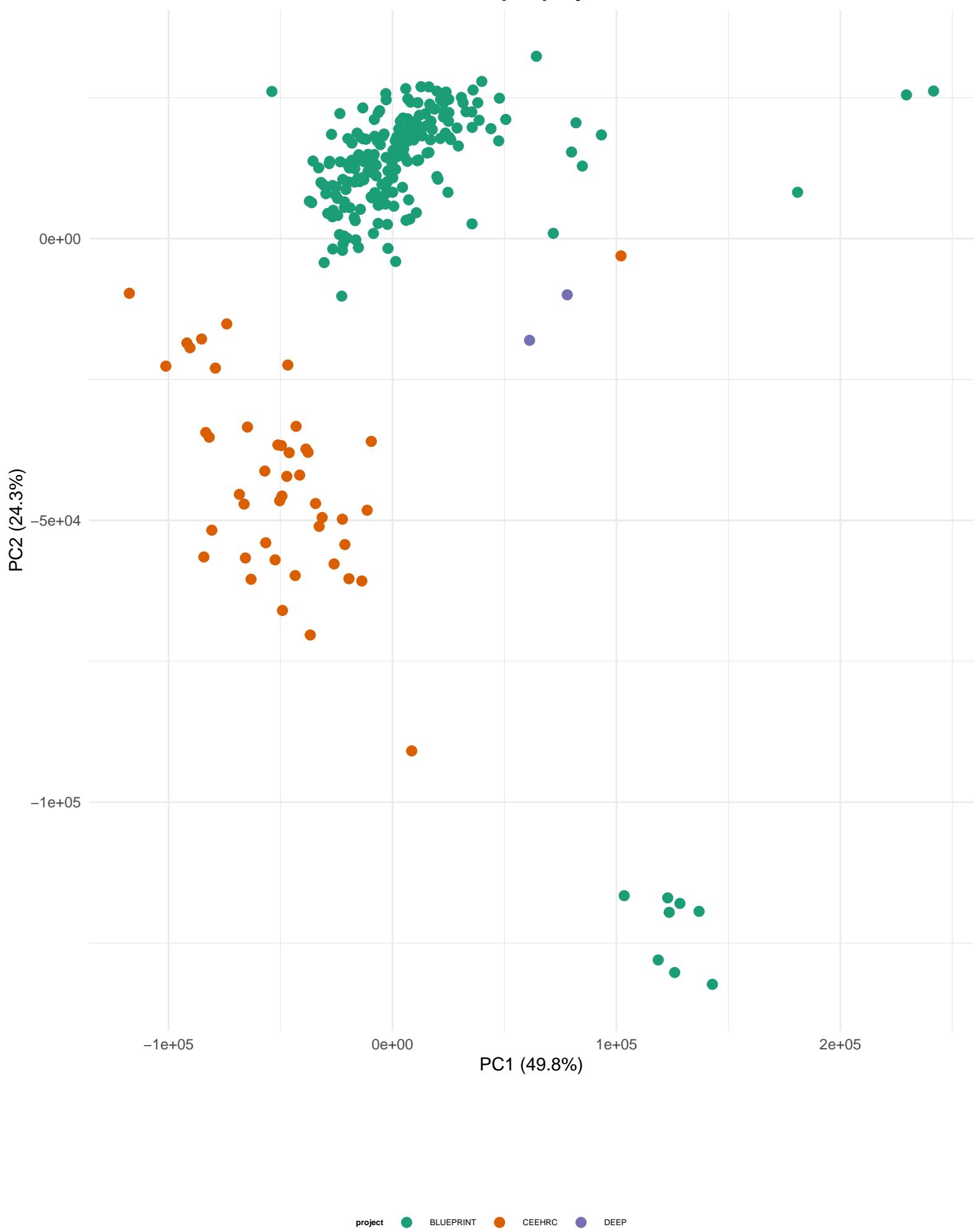
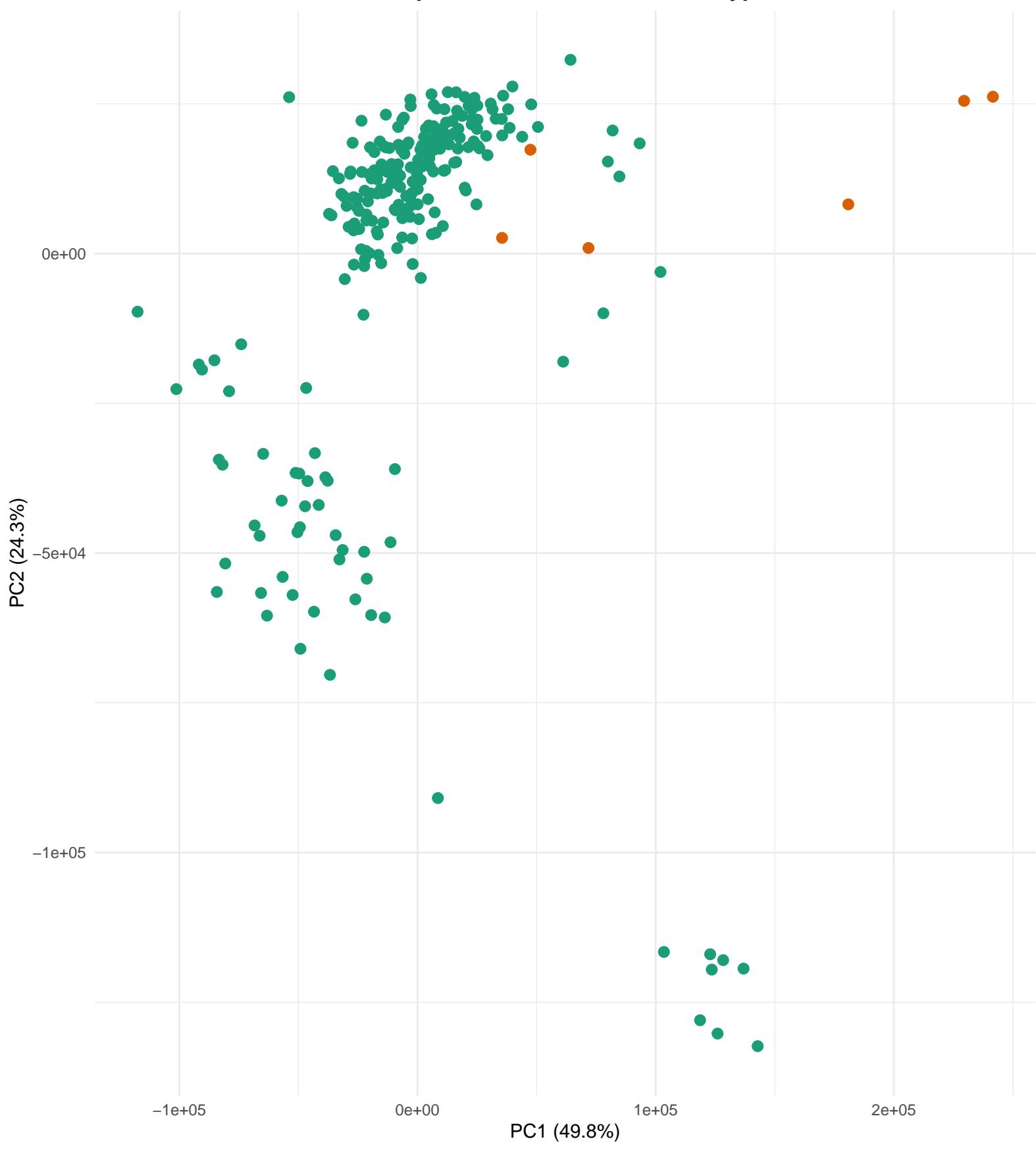


PCA por project



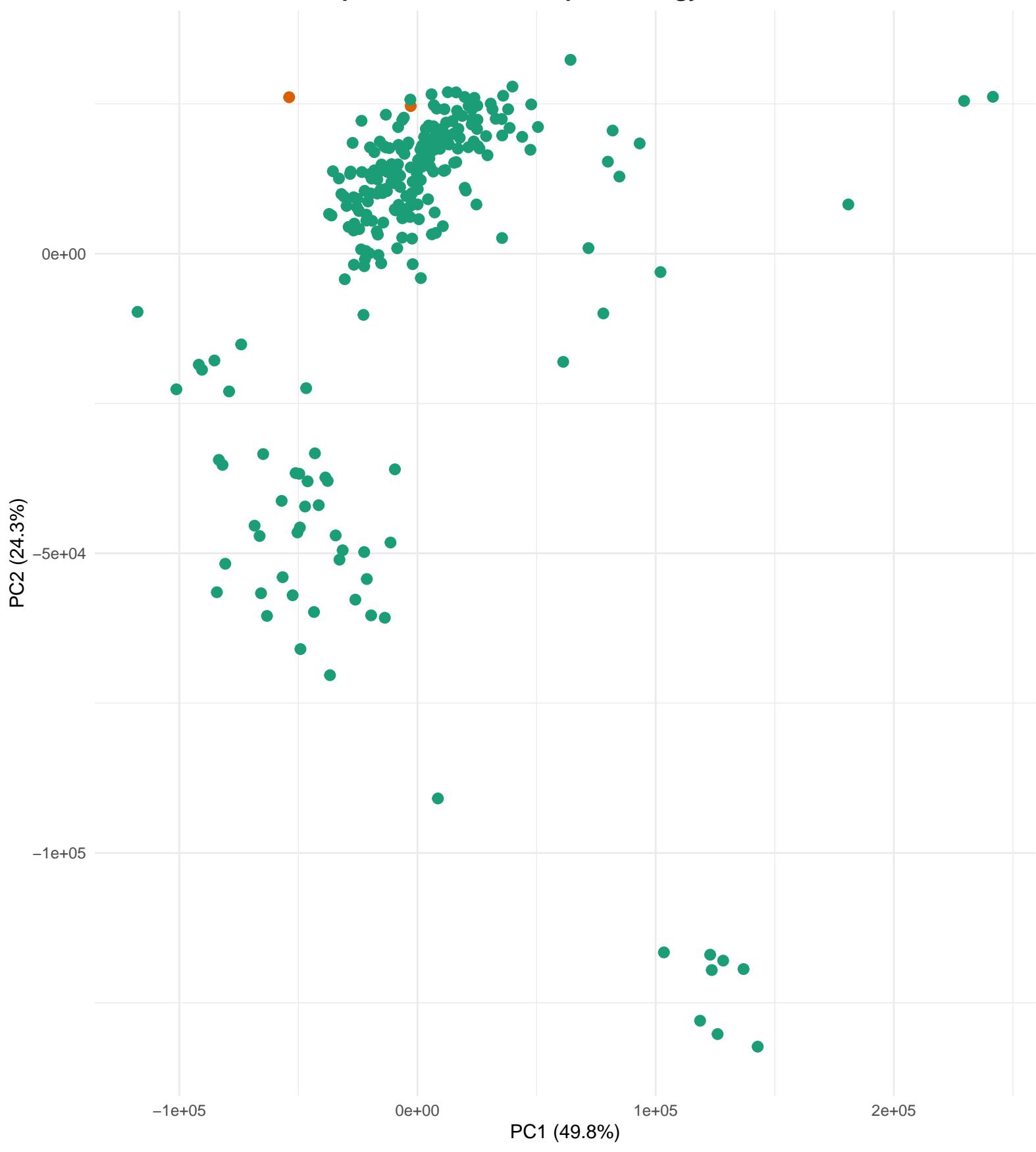
project ● BLUEPRINT ● CEEHRC ● DEEP

# PCA por harmonized biomaterial type



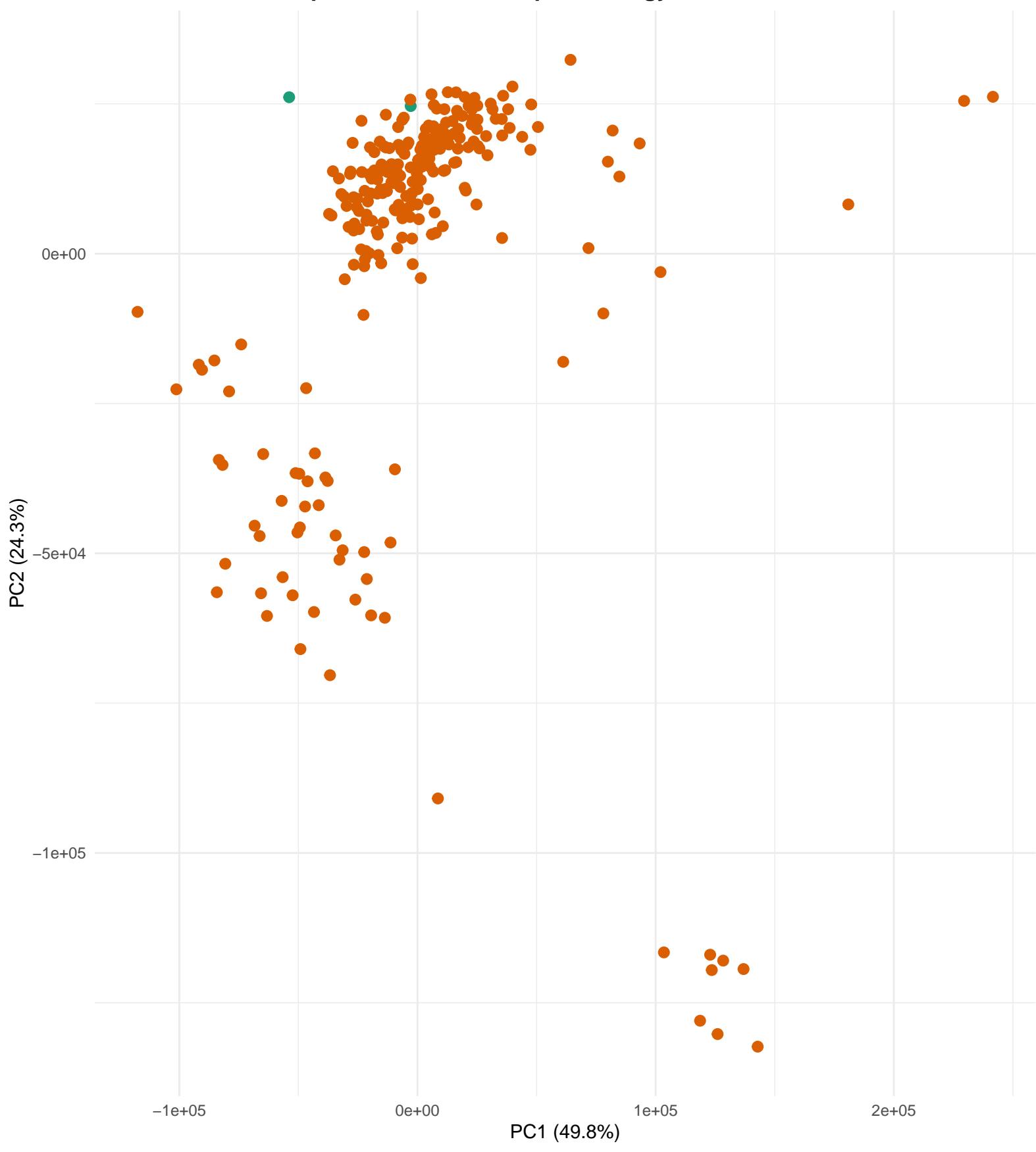
harmonized biomaterial type    ● primary cell    ● primary cell culture

# PCA por harmonized sample ontology intermediate



harmonized sample ontology intermediate ● monocyte ● myeloid cell

# PCA por harmonized sample ontology intermediate color

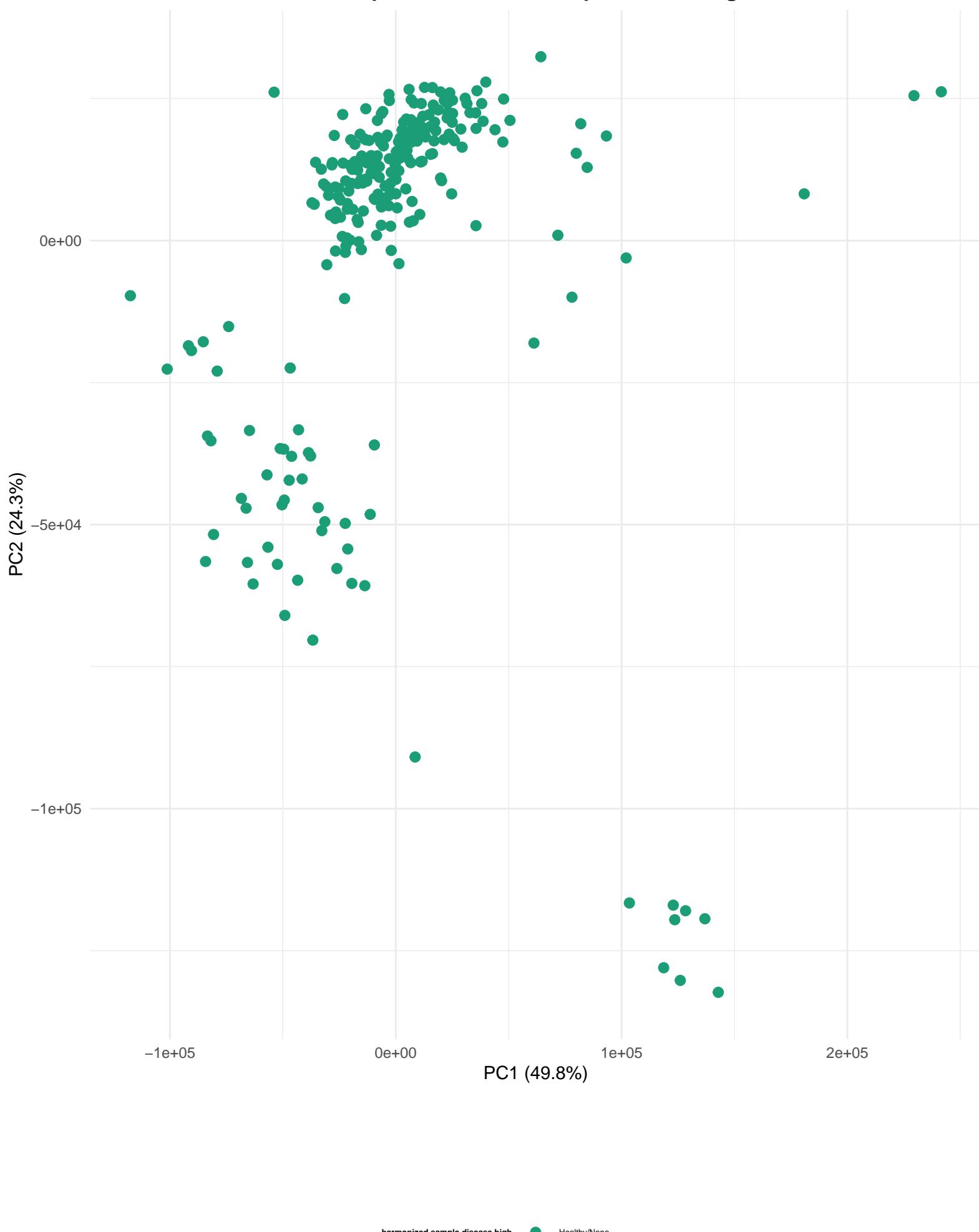


harmonized sample ontology intermediate color

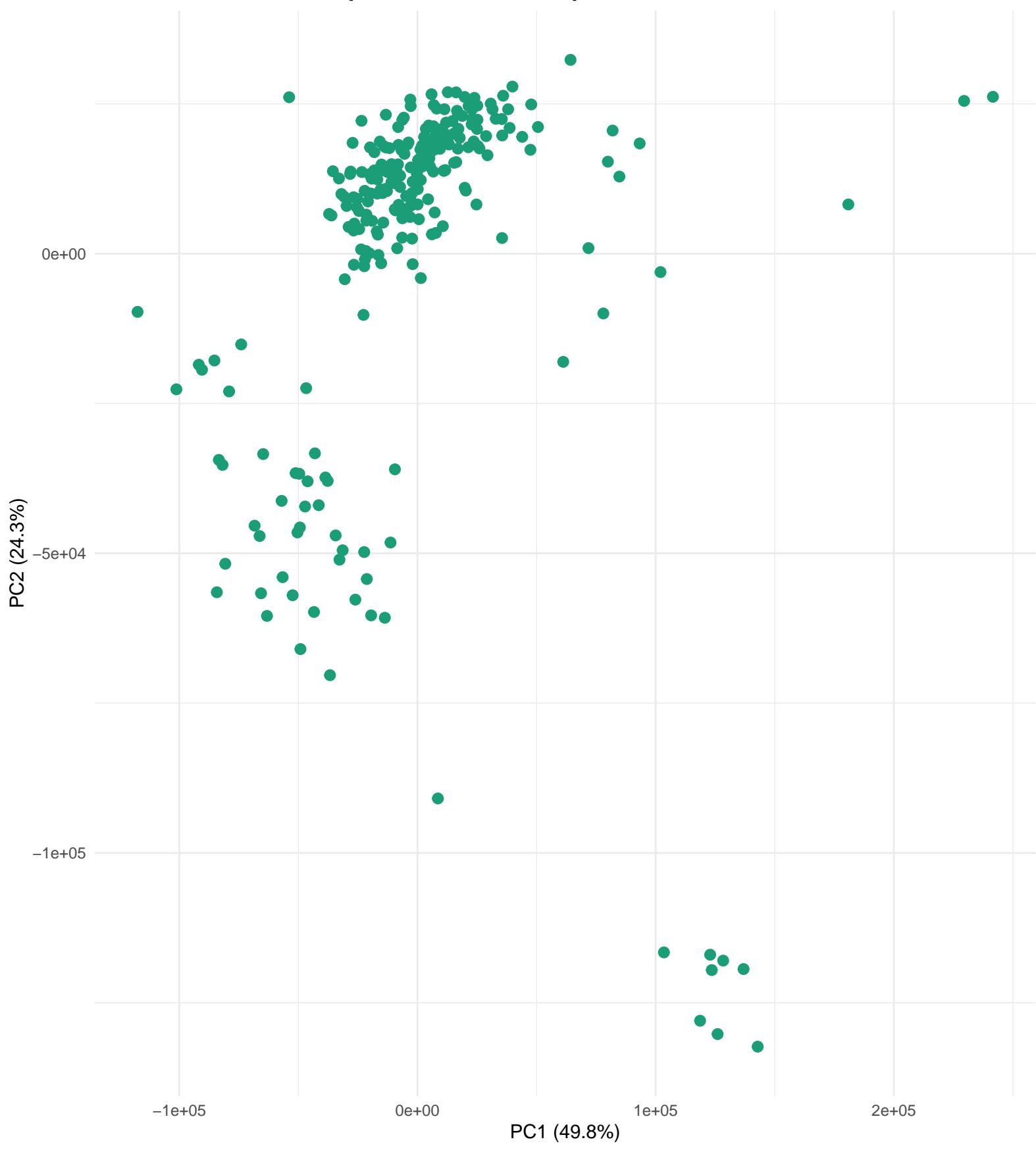
143,81,121

162,90,219

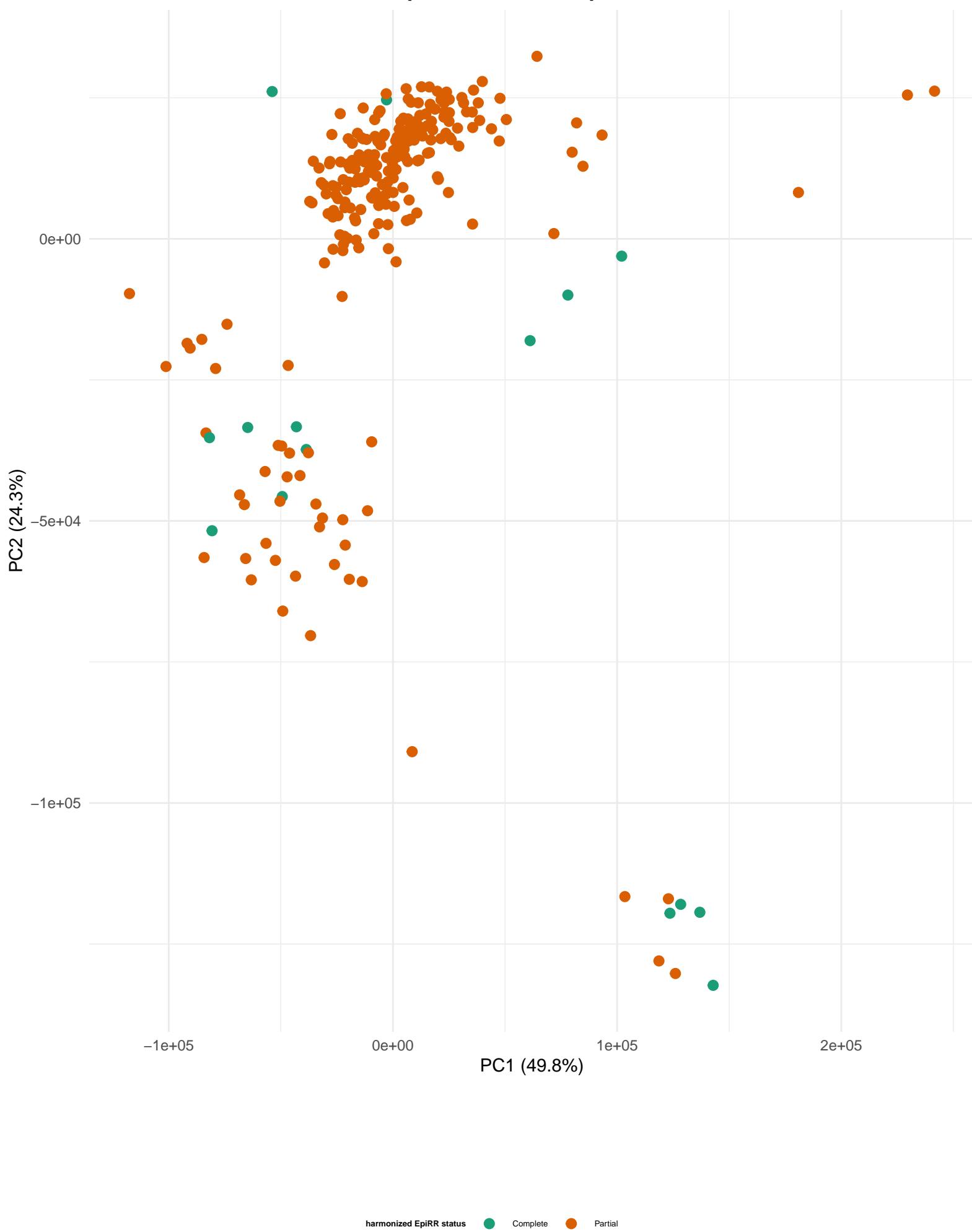
PCA por harmonized sample disease high



PCA por harmonized sample disease intermediate

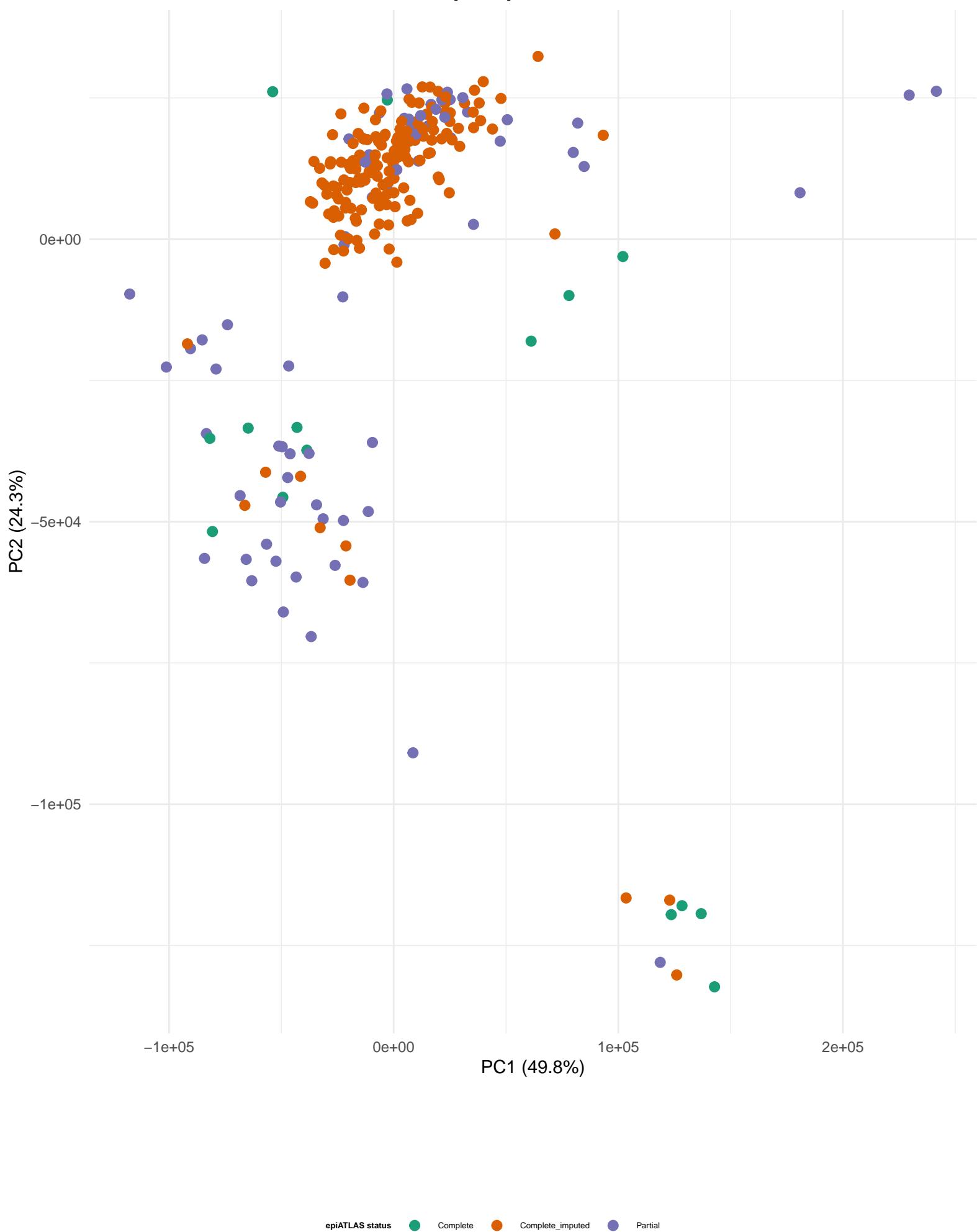


PCA por harmonized EpiRR status

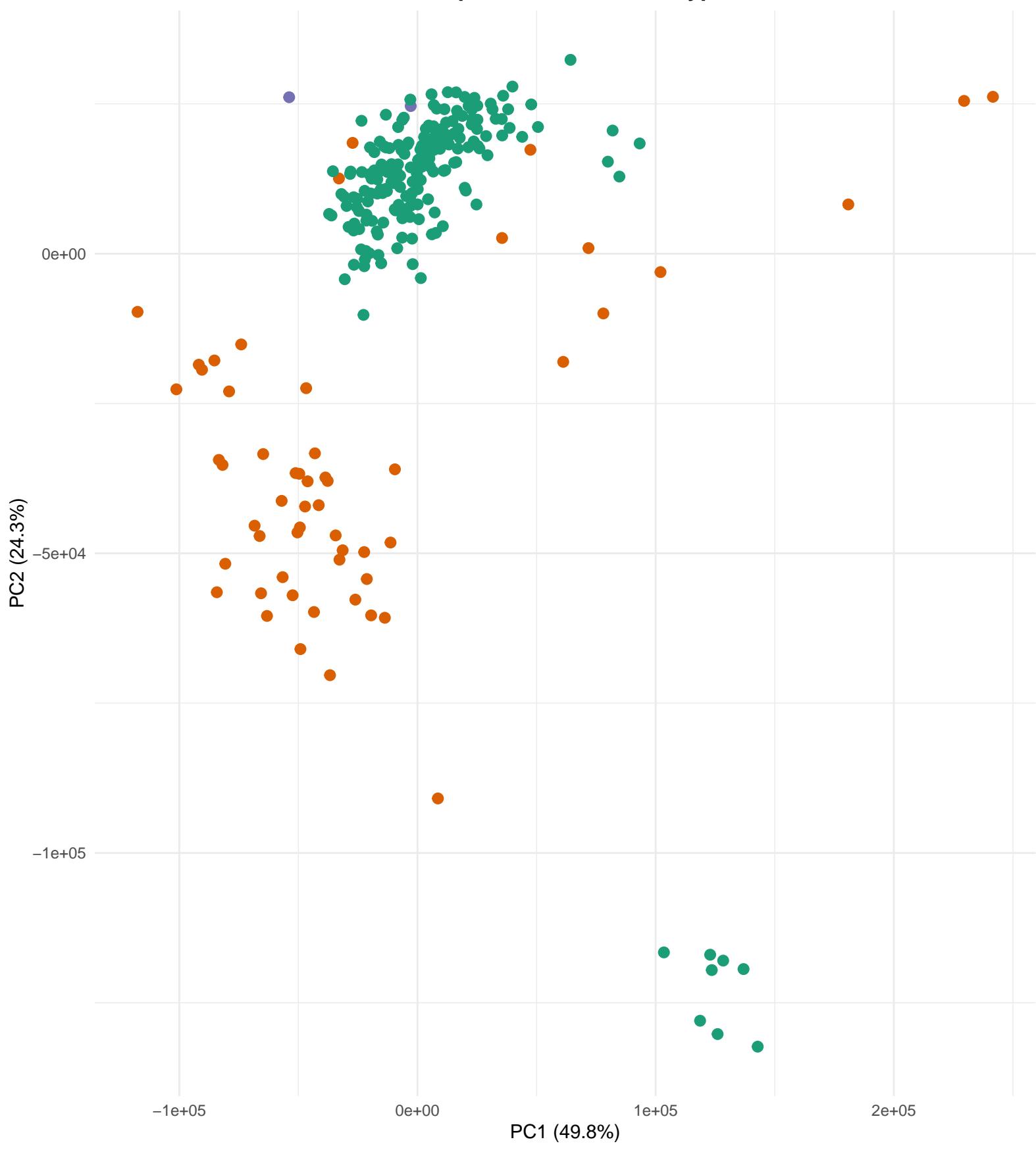


harmonized EpiRR status      ● Complete      ● Partial

PCA por epiATLAS status

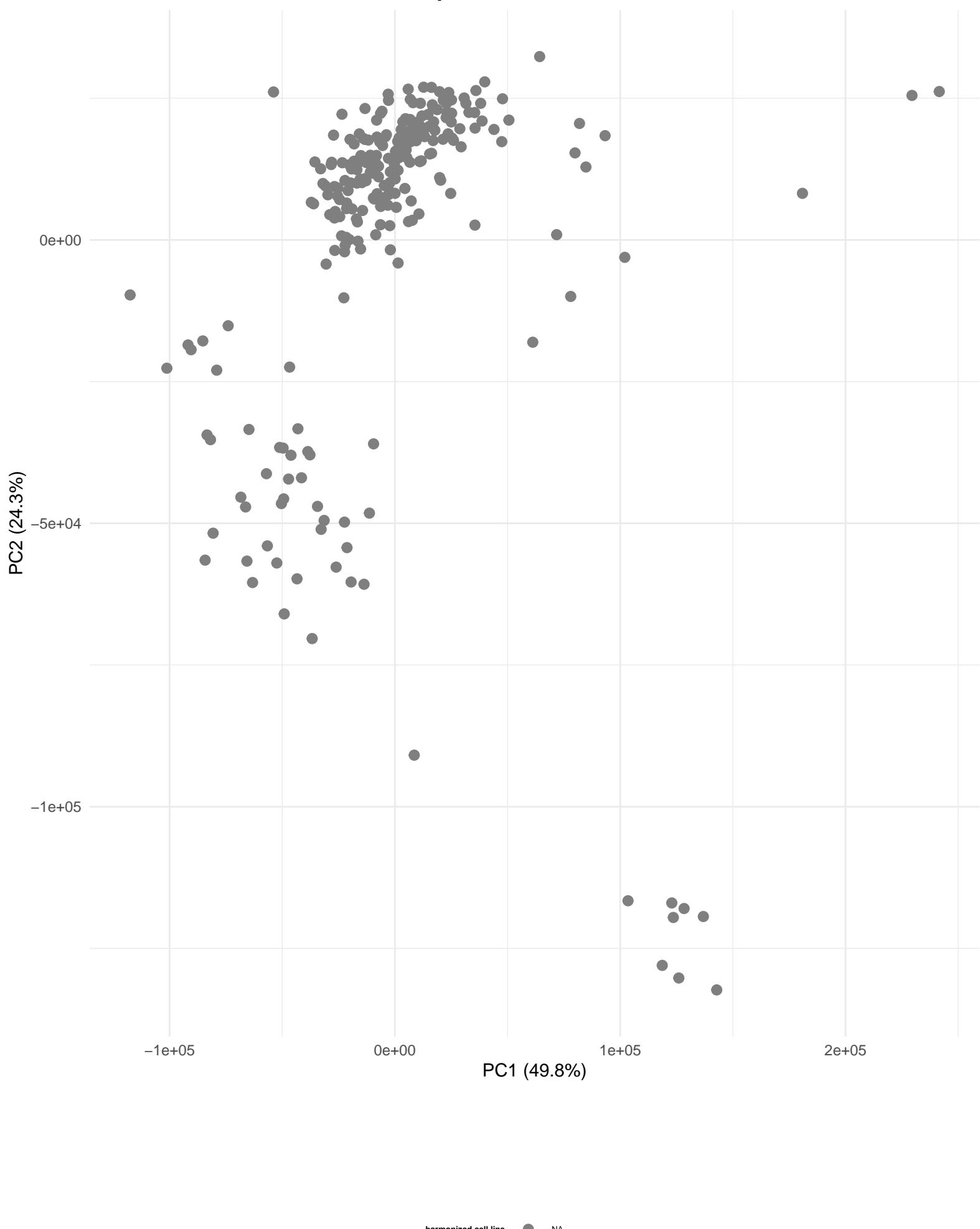


PCA por harmonized cell type



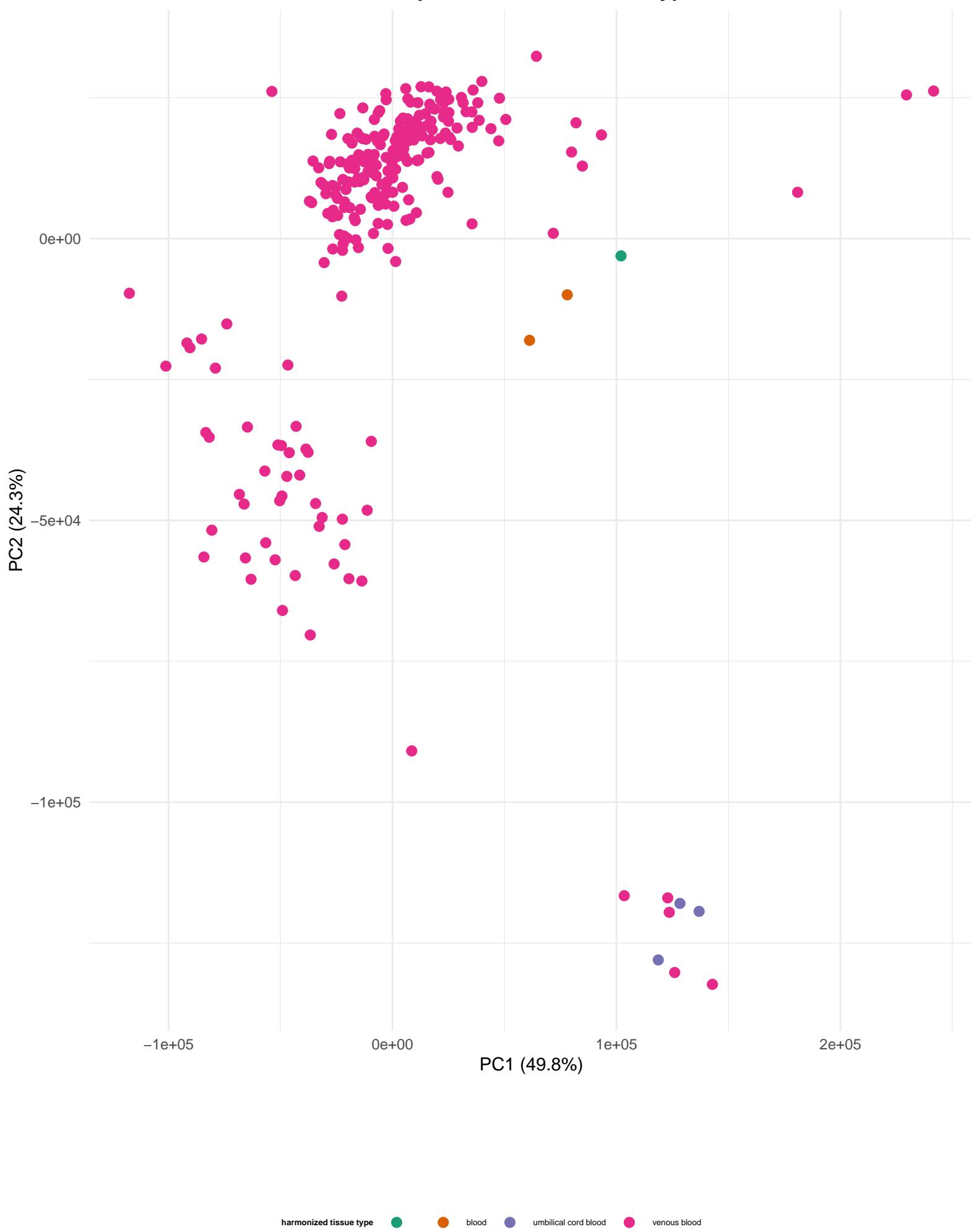
harmonized cell type    ● CD14-positive, CD16-negative classical monocyte    ● monocyte    ● osteoclast

PCA por harmonized cell line



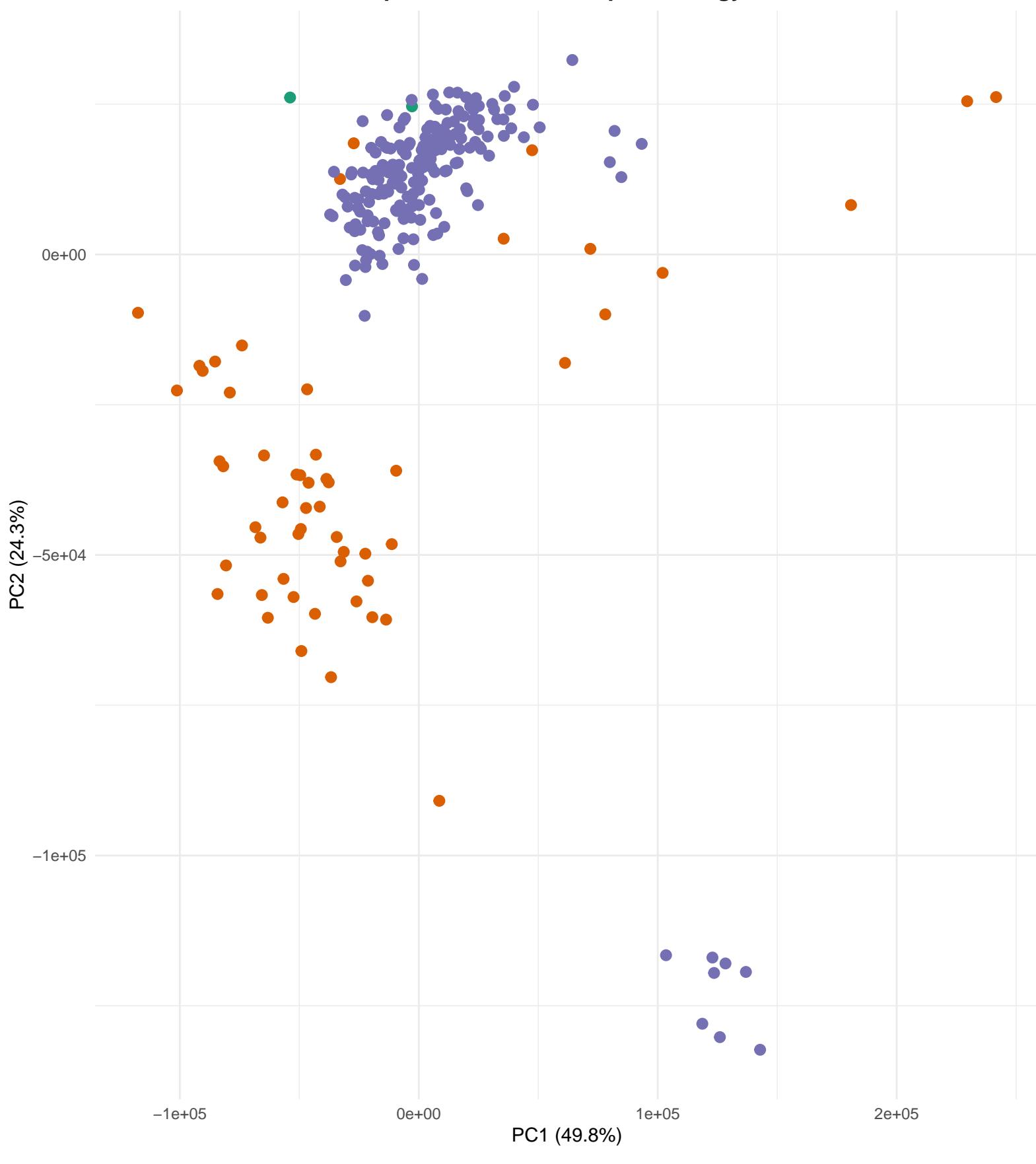
harmonized cell line NA

# PCA por harmonized tissue type



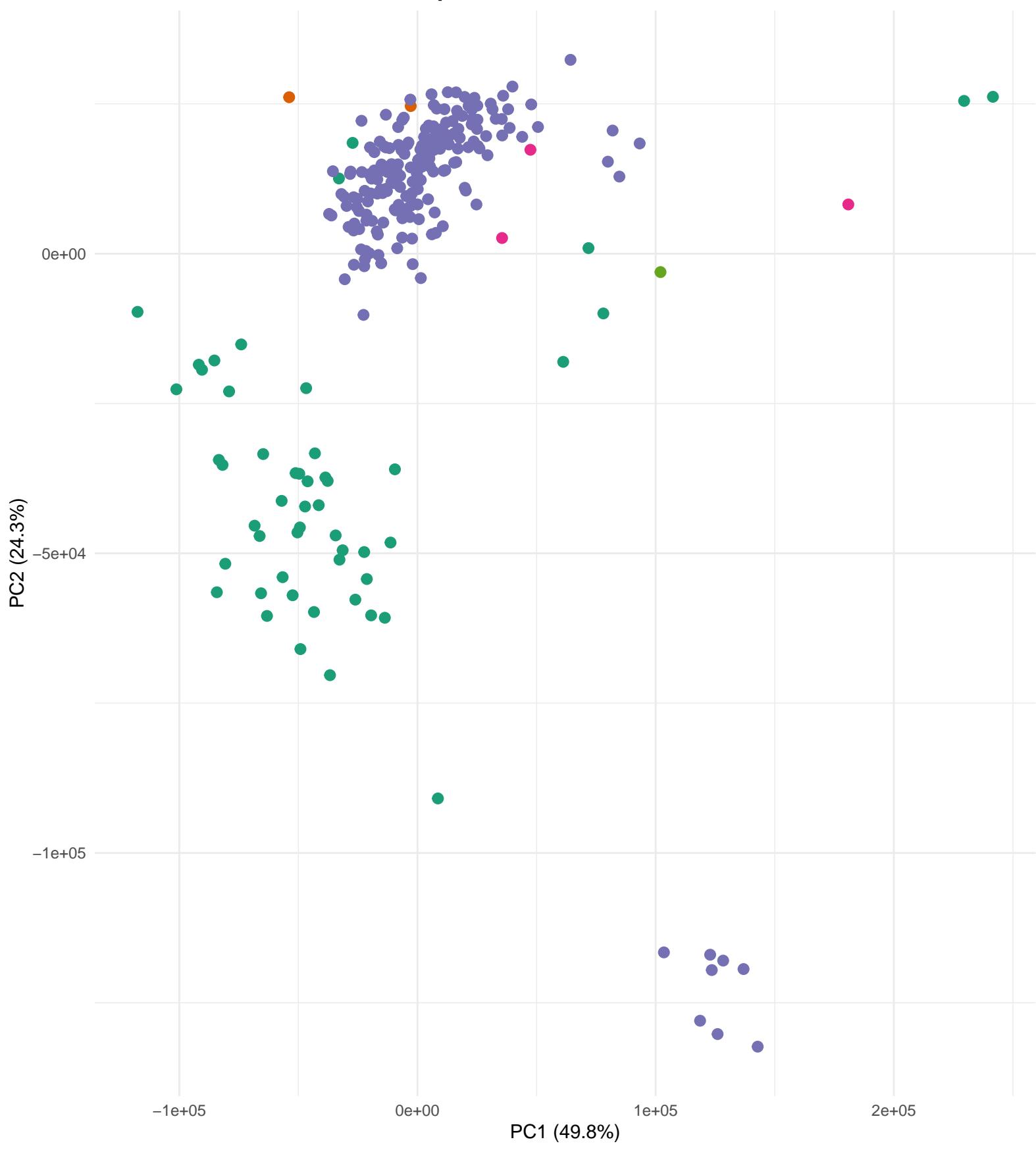
harmonized tissue type    ●    ●    ●    ●    ●

PCA por harmonized sample ontology curie



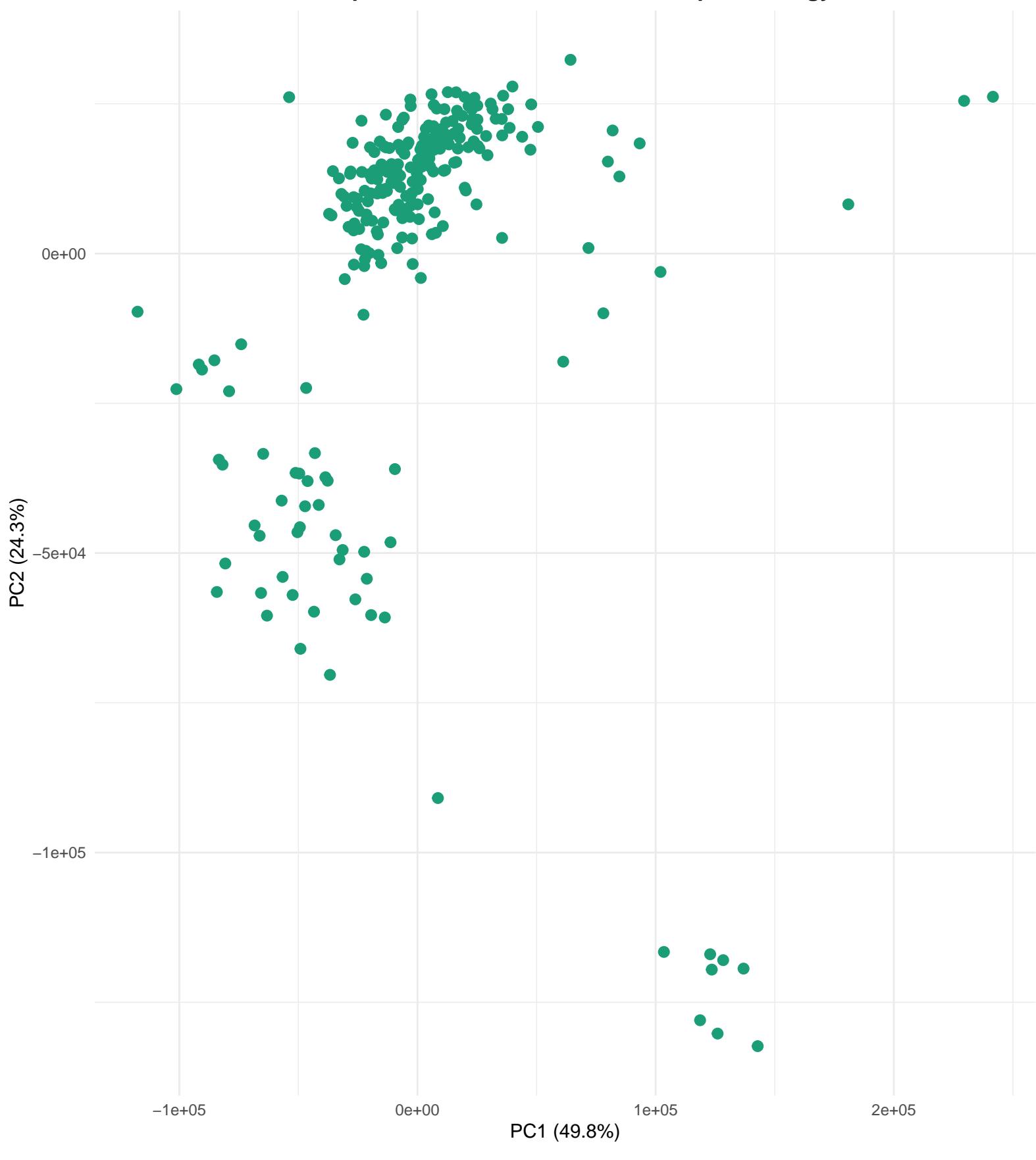
harmonized sample ontology curie CL:0000092 CL:0000576 CL:0002057

# PCA por harmonized cell markers



harmonized cell markers     ●     CD14+     ●     CD14+ CD16-     ●     CD3- CD19- CD56-     ●     CD45+ CD34- CD33+ CD11b+ CD14+

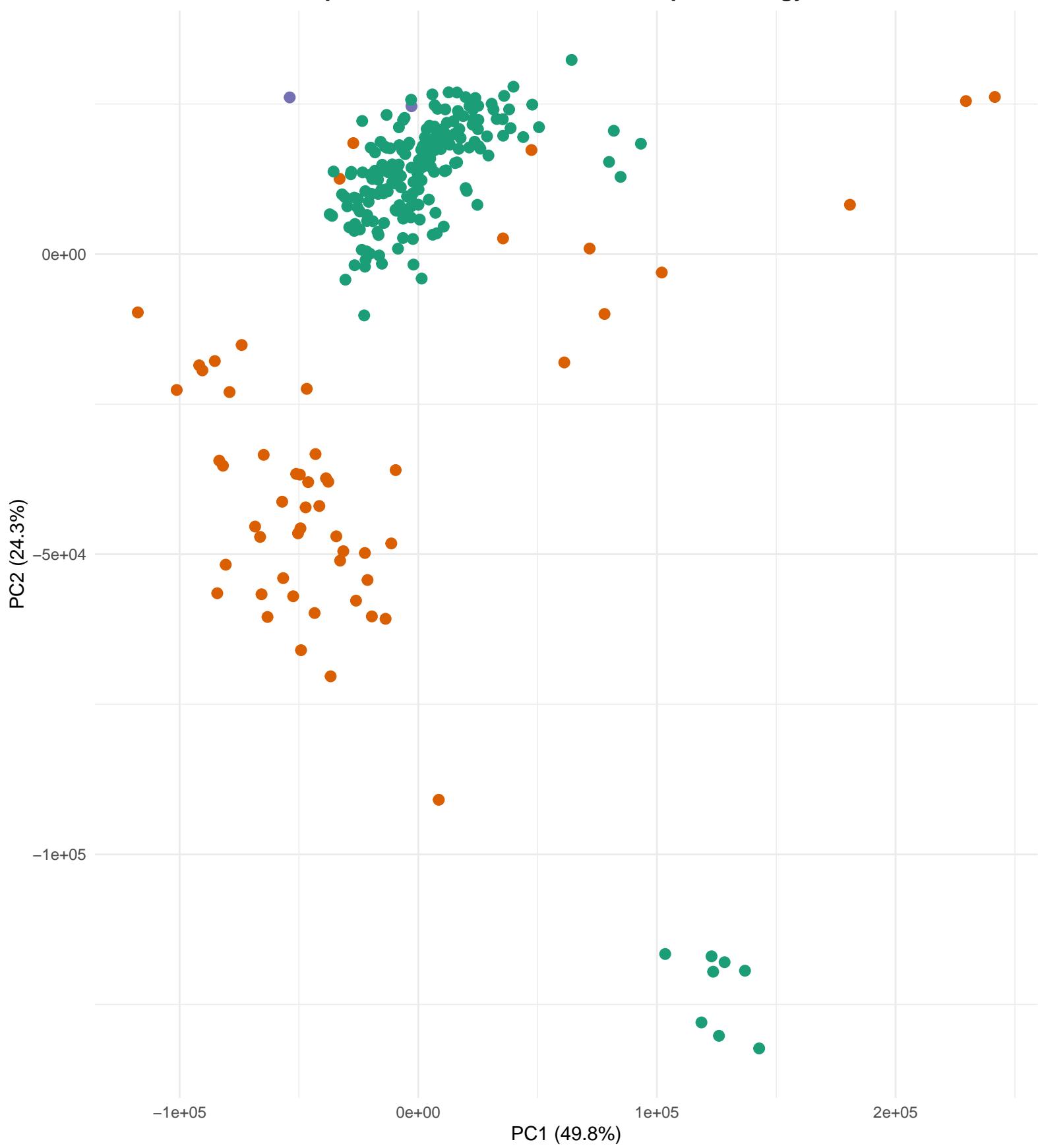
# PCA por automated harmonized sample ontology



automated harmonized sample ontology

CL

# PCA por automated harmonized sample ontology term



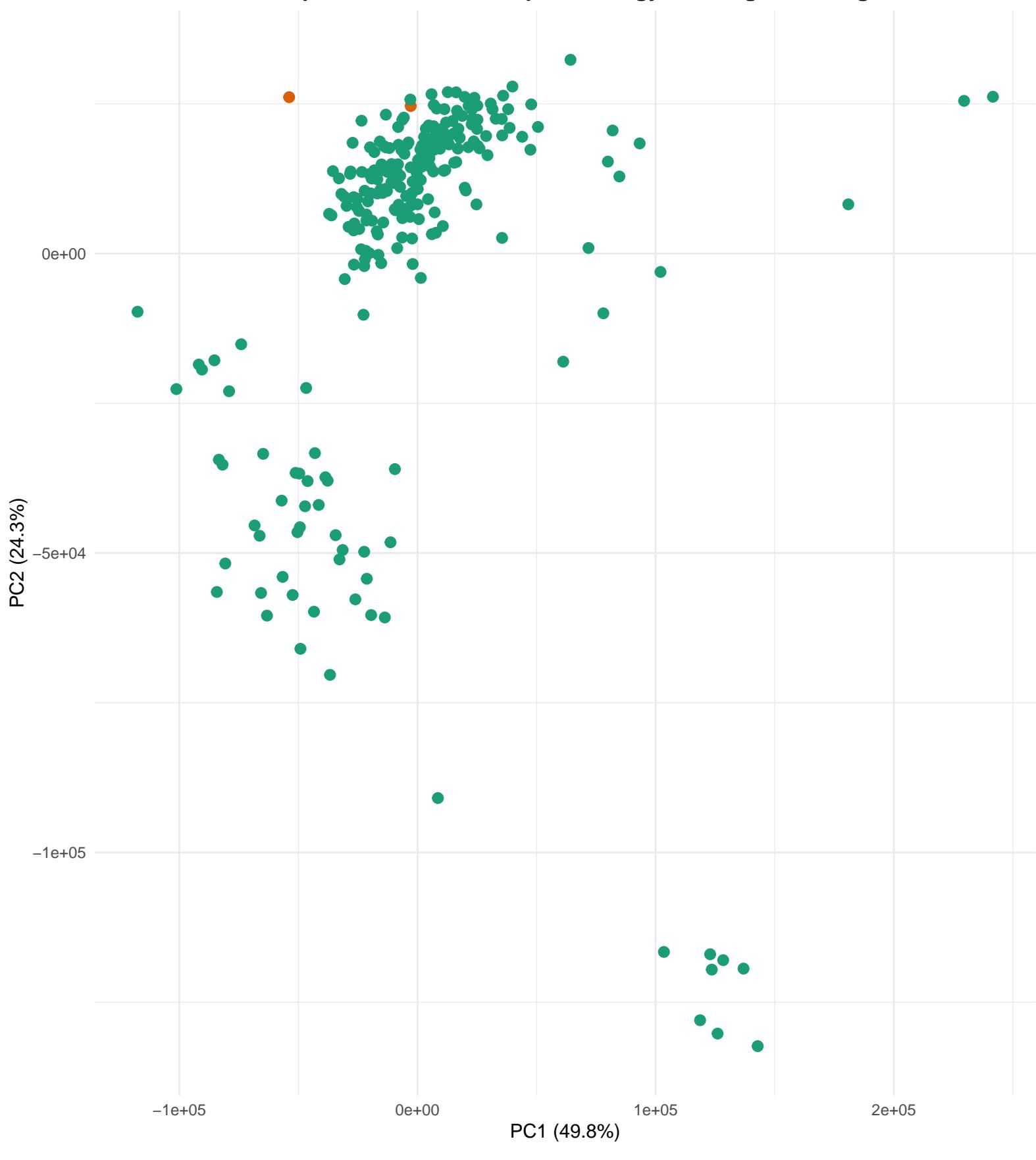
automated harmonized sample ontology term

CD14-positive, CD16-negative classical monocyte

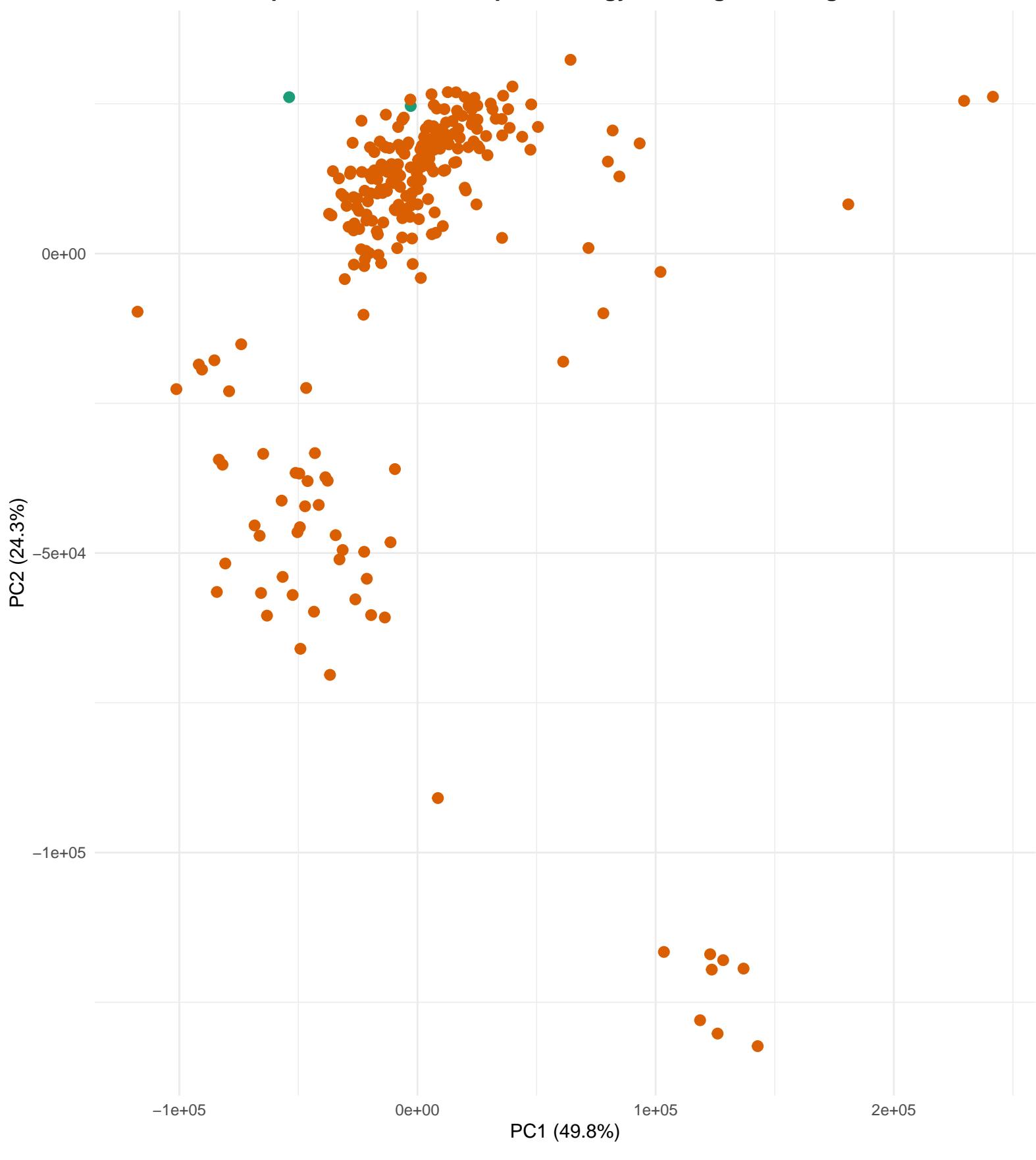
monocyte

osteoclast

PCA por harmonized sample ontology term high order fig1

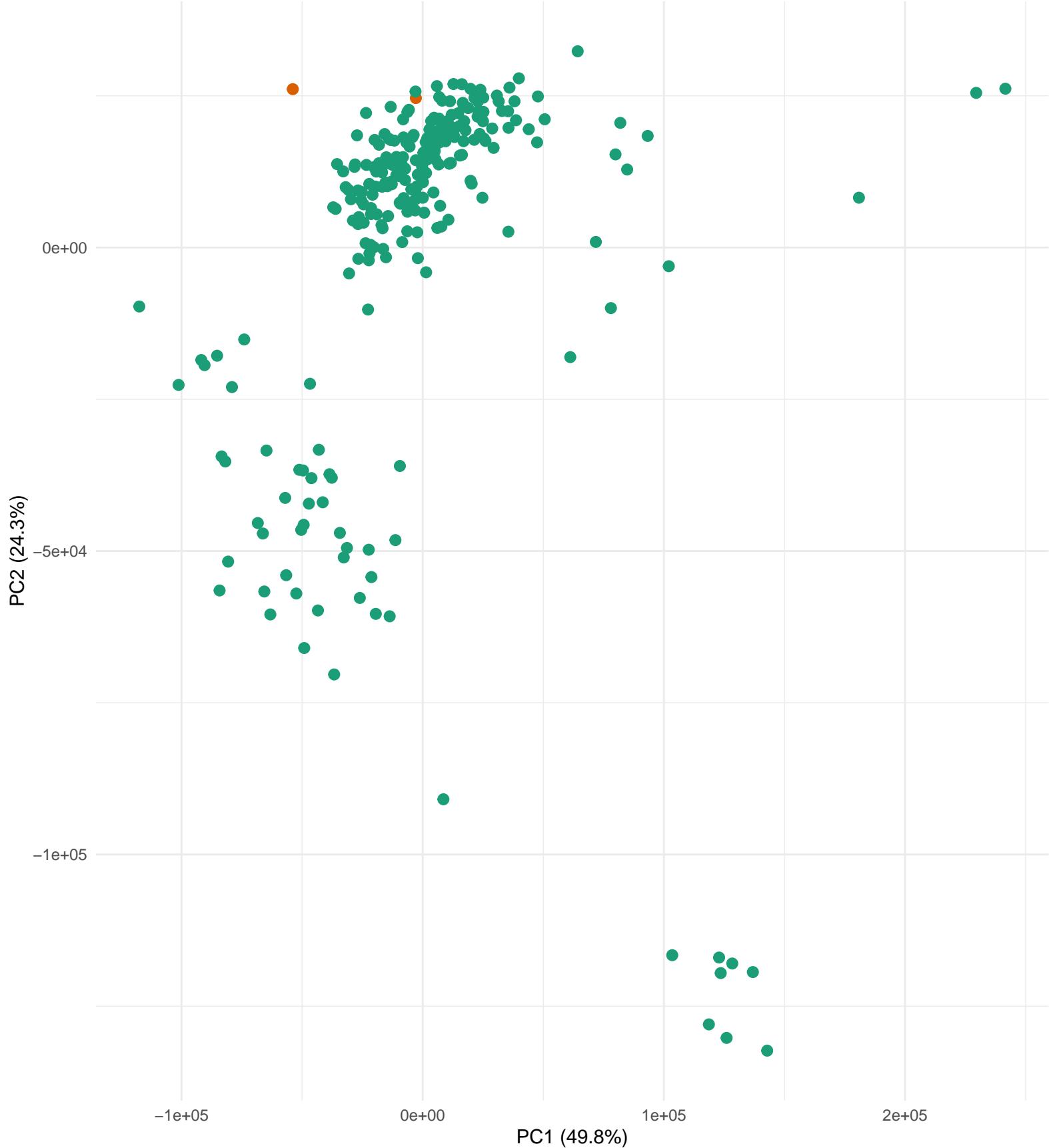


PCA por harmonized sample ontology term high order fig1 color



harmonized sample ontology term high order fig1 color ● 143,81,121 ● 162,90,219

# PCA por harmonized sample organ system order AnetaMikulasova

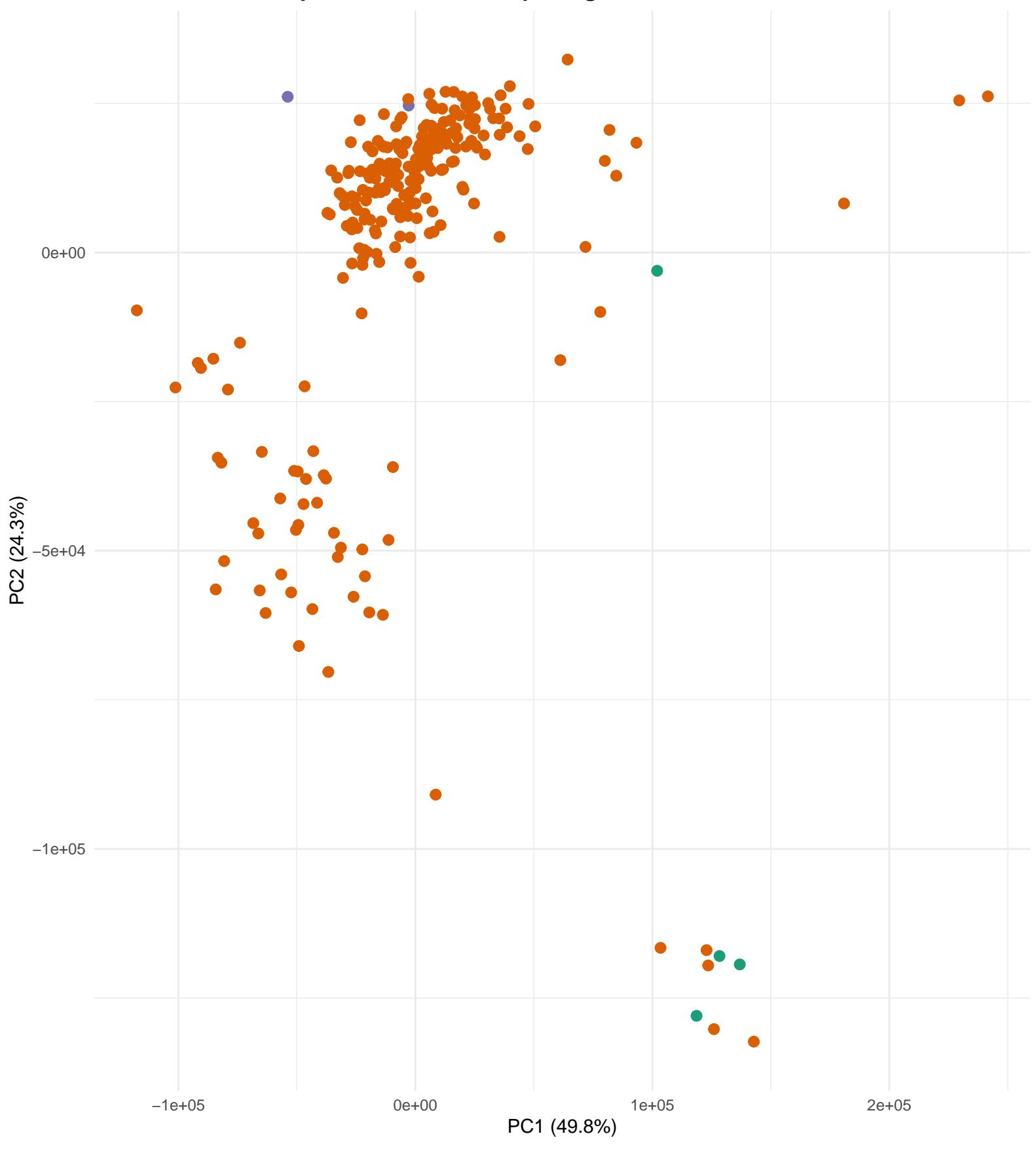


harmonized sample organ system order AnetaMikulasova

Immune System

Skeletal

# PCA por harmonized sample organ order AnetaMikulasova



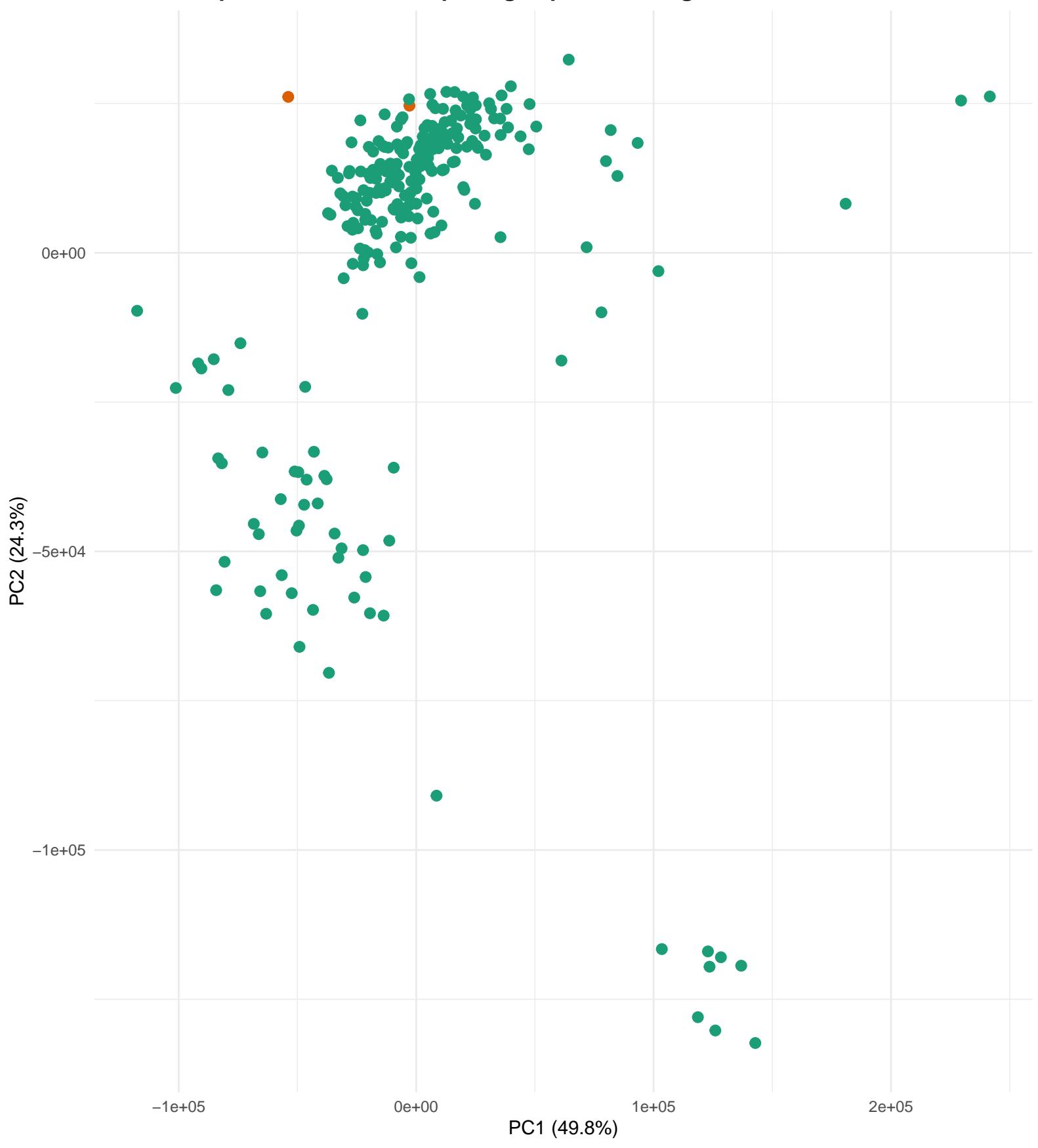
harmonized sample organ order AnetaMikulasova

blood-umbilical-cord

blood-venous

bone

# PCA por harmonized sample organ part or lineage order AnetaMikulasova

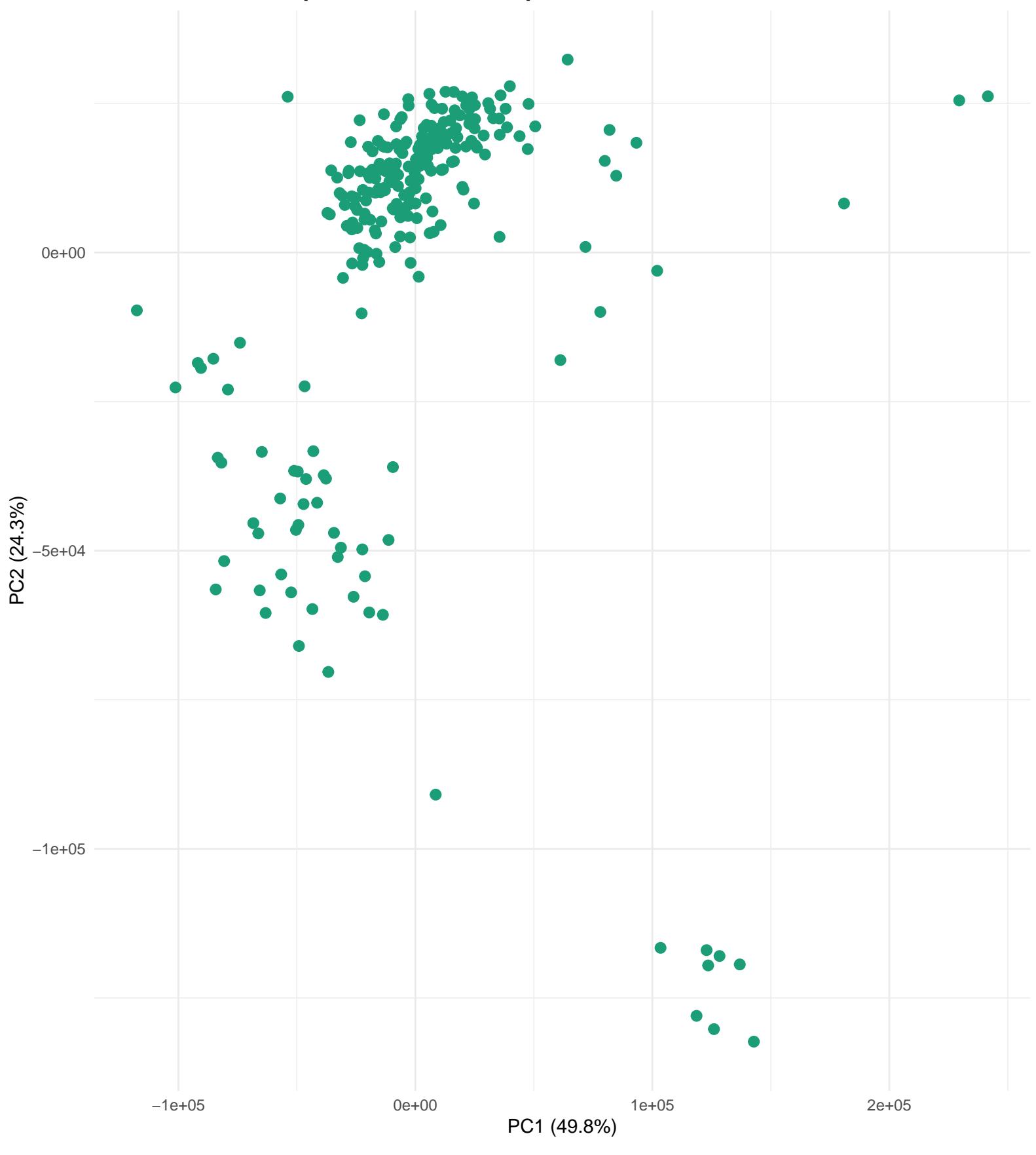


# PCA por harmonized sample cell order AnetaMikulasova



harmonized sample cell order AnetaMikulasova ● monocyte ● osteoclast

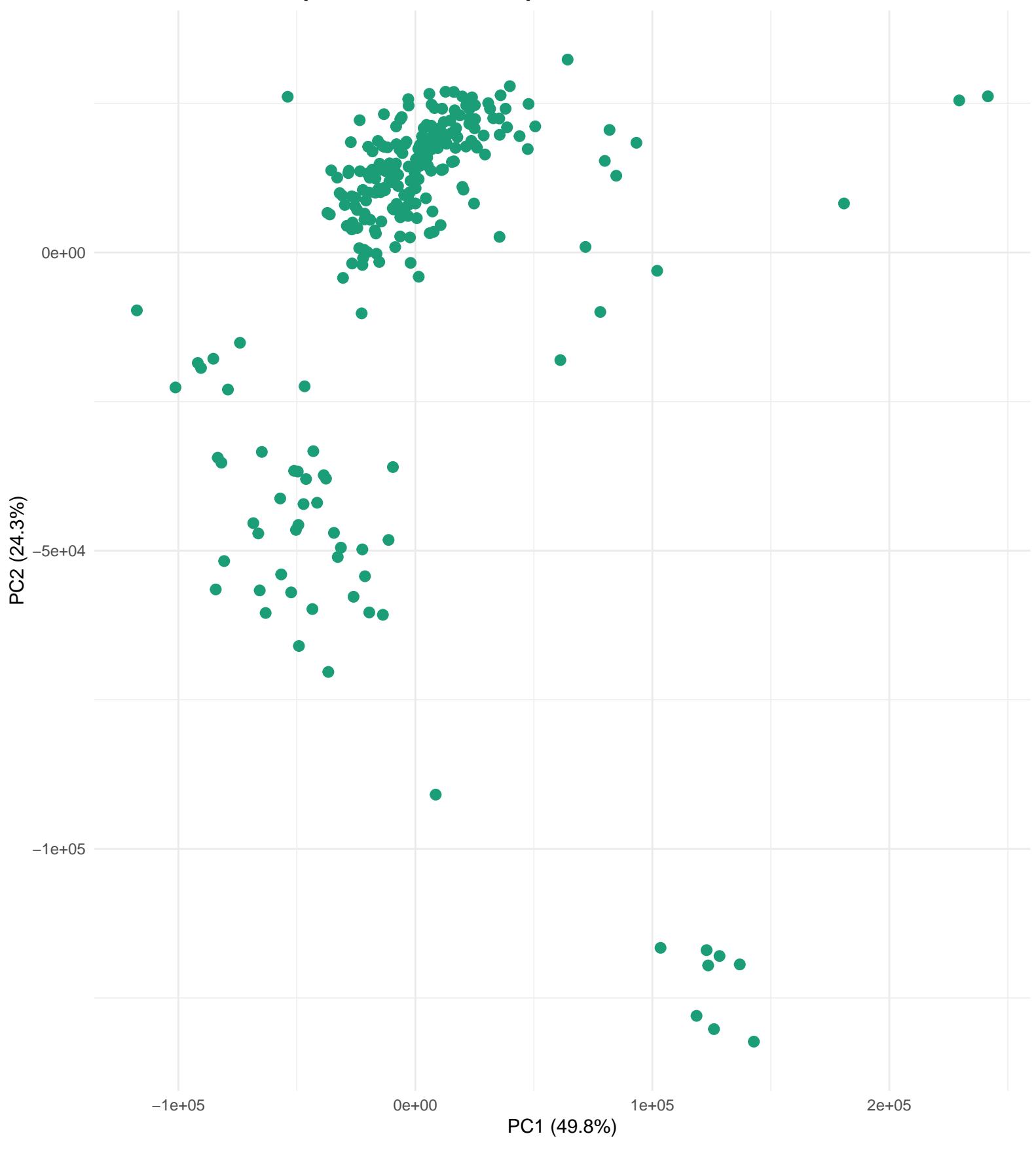
PCA por harmonized sample cell 2 order AnetaMikulasova



harmonized sample cell 2 order AnetaMikulasova

● x

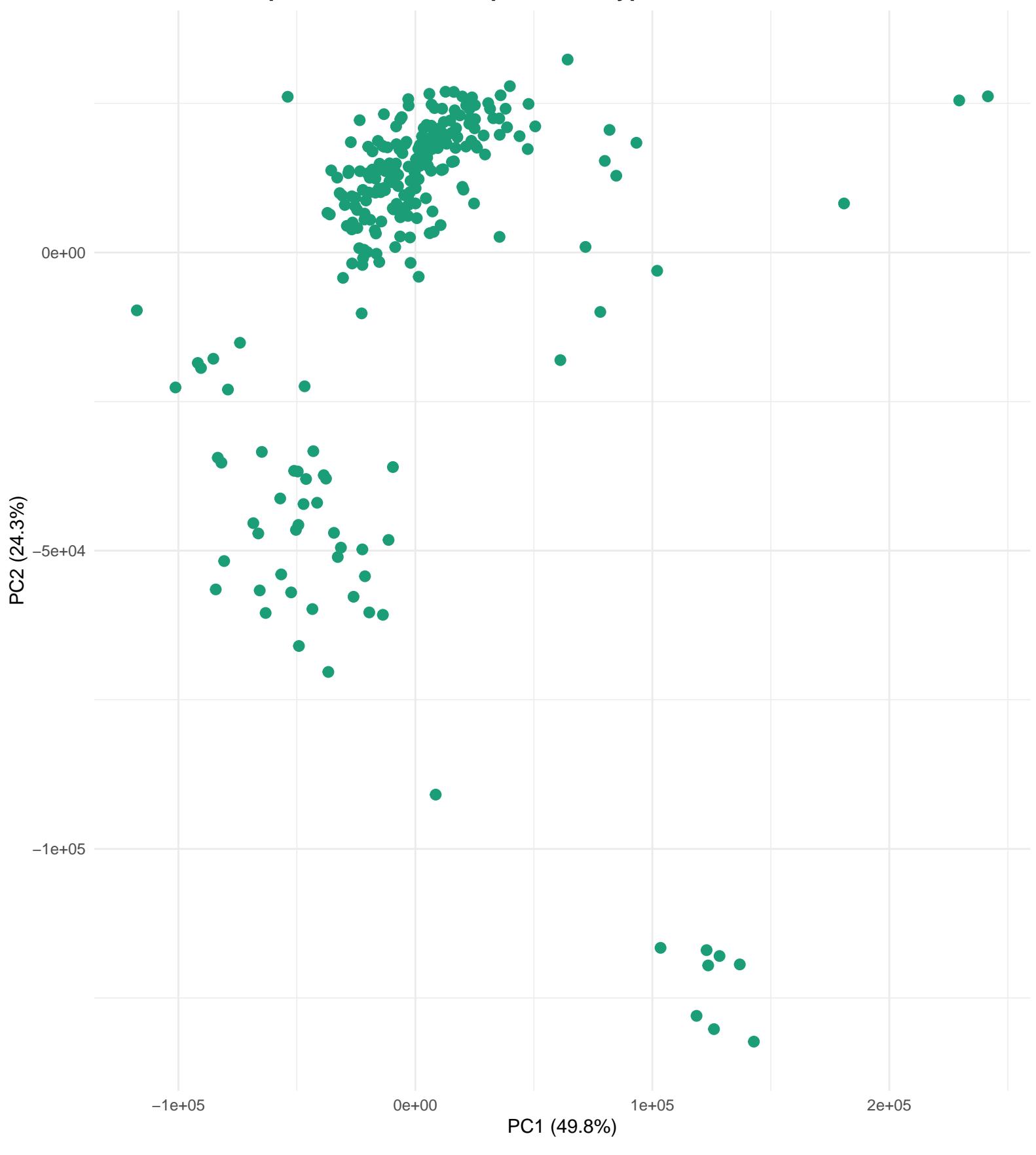
PCA por harmonized sample cell 3 order AnetaMikulasova



harmonized sample cell 3 order AnetaMikulasova

● x

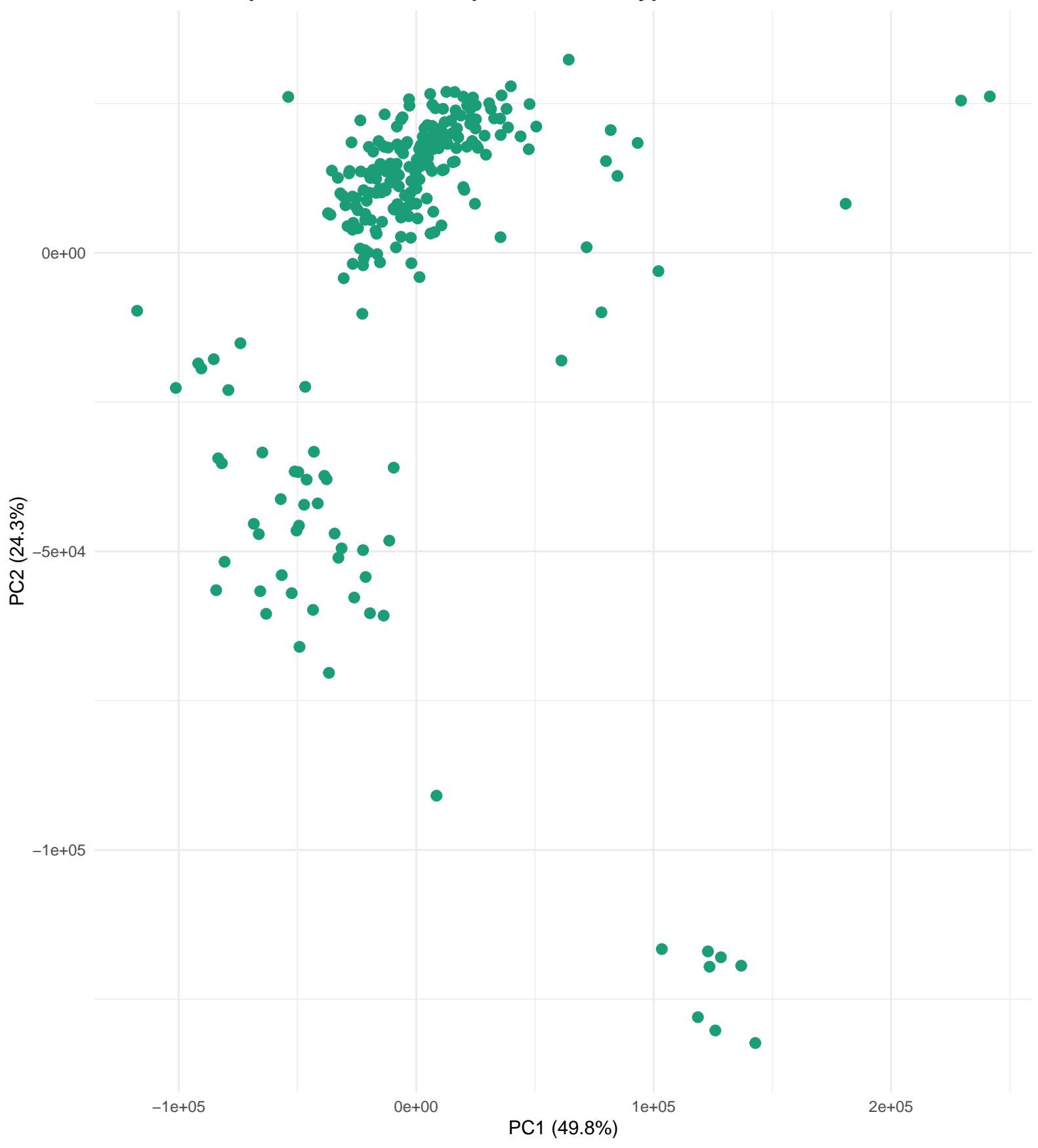
# PCA por harmonized sample cancer type order AnetaMikulasova



harmonized sample cancer type order AnetaMikulasova

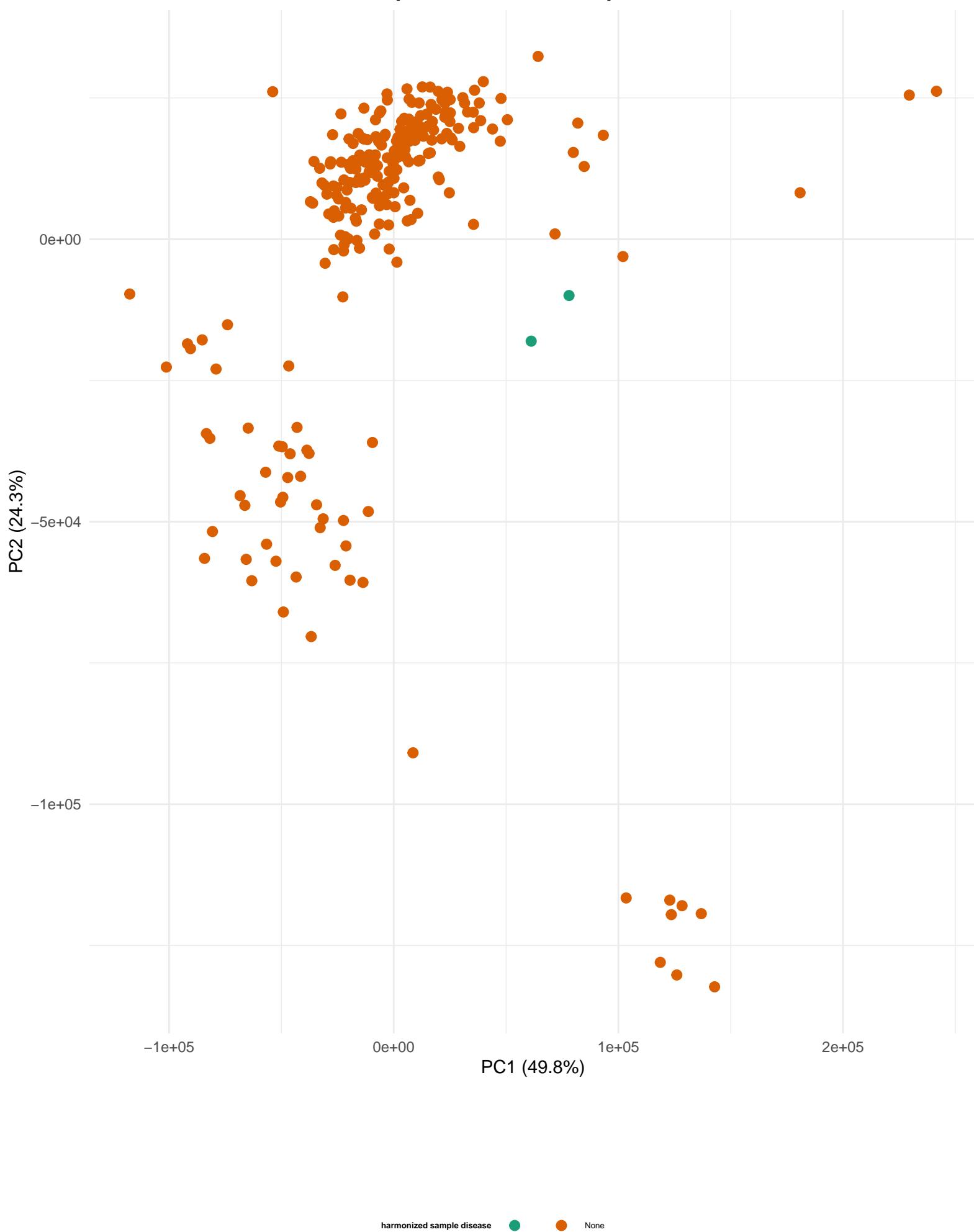


# PCA por harmonized sample cancer subtype order AnetaMikulasova

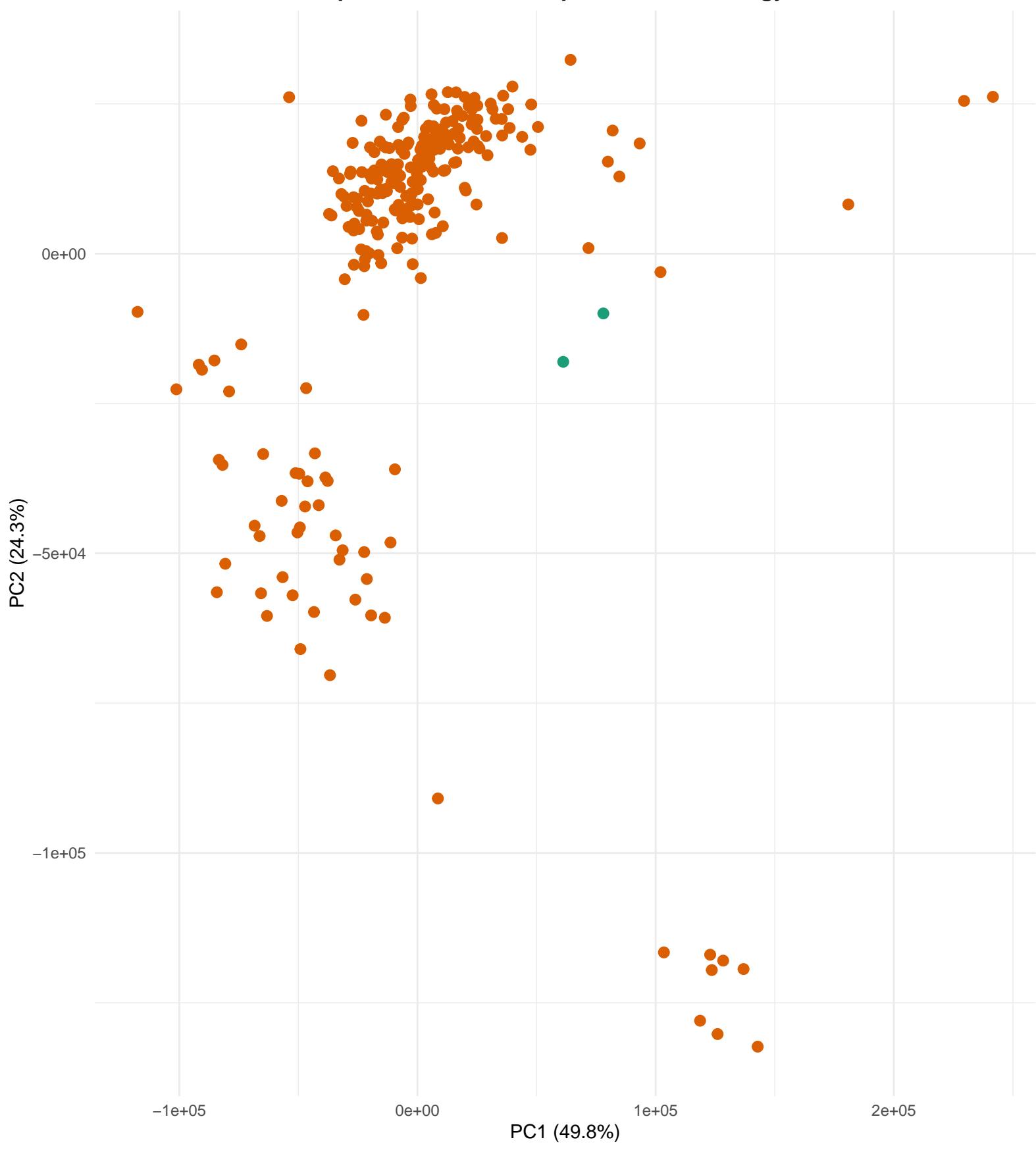


harmonized sample cancer subtype order AnetaMikulasova ● x

PCA por harmonized sample disease

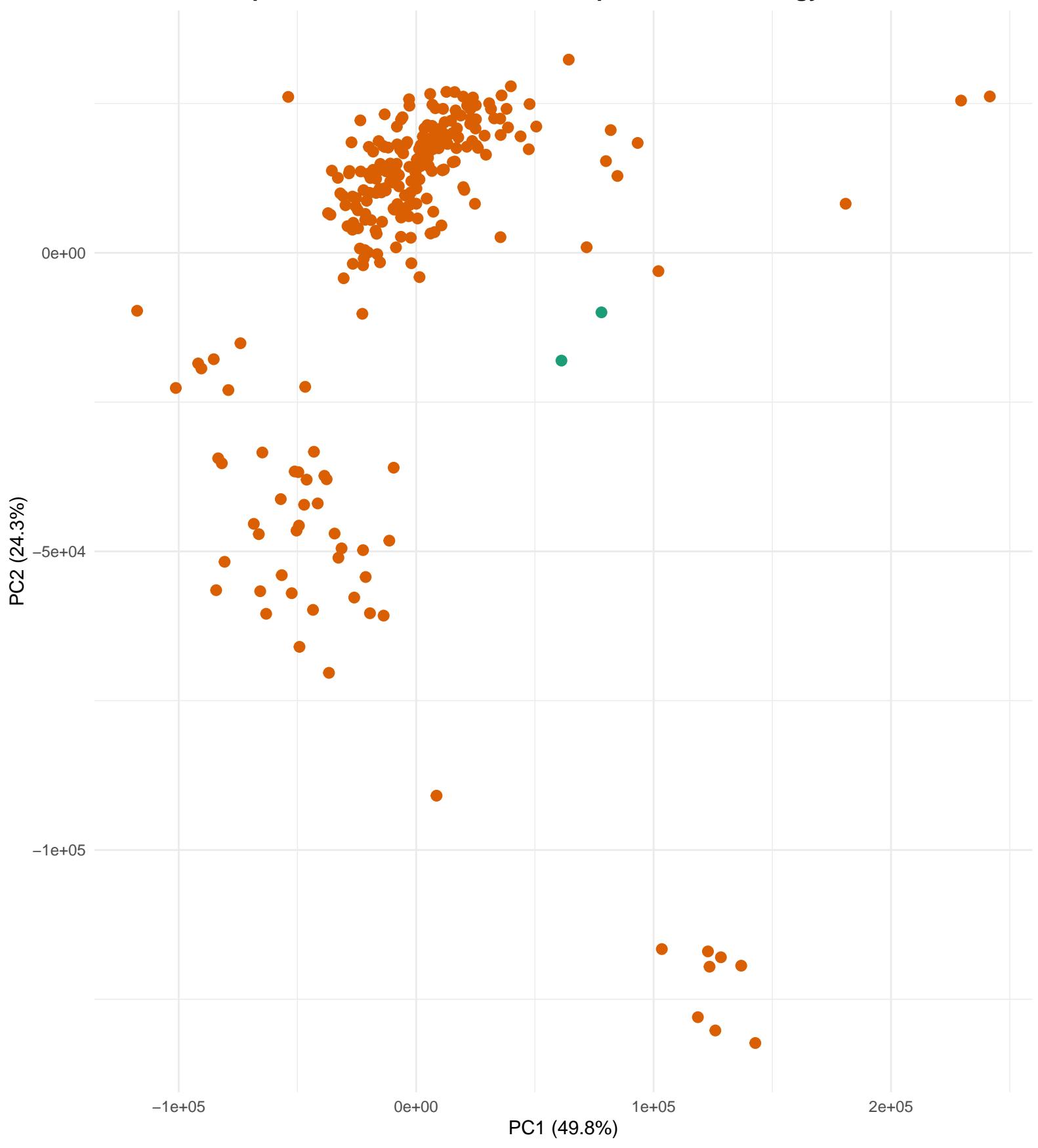


PCA por harmonized sample disease ontology curie



harmonized sample disease ontology curie ● NCIM:C0549184

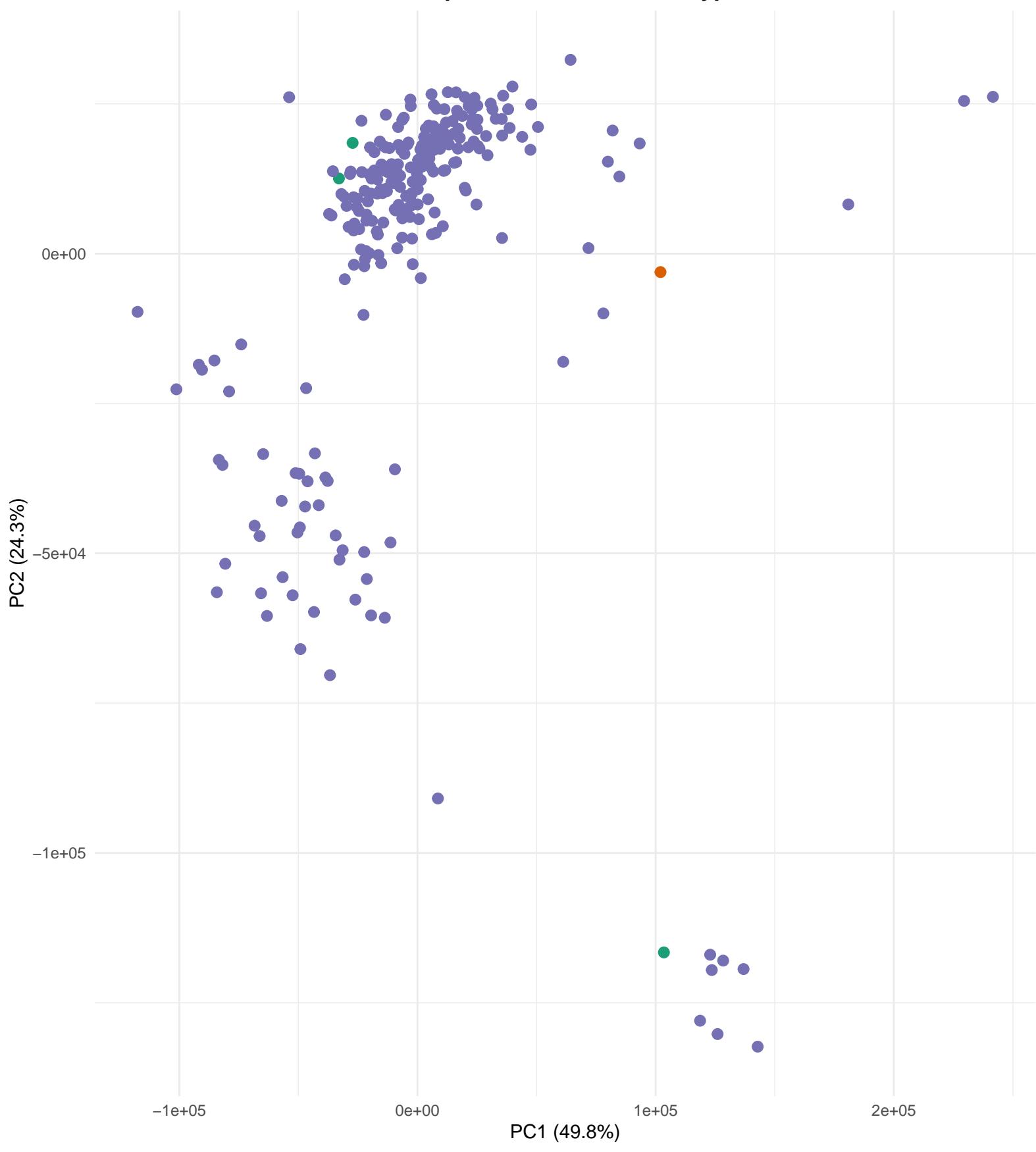
PCA por automated harmonized sample disease ontology curie ncit



automated harmonized sample disease ontology curie ncit

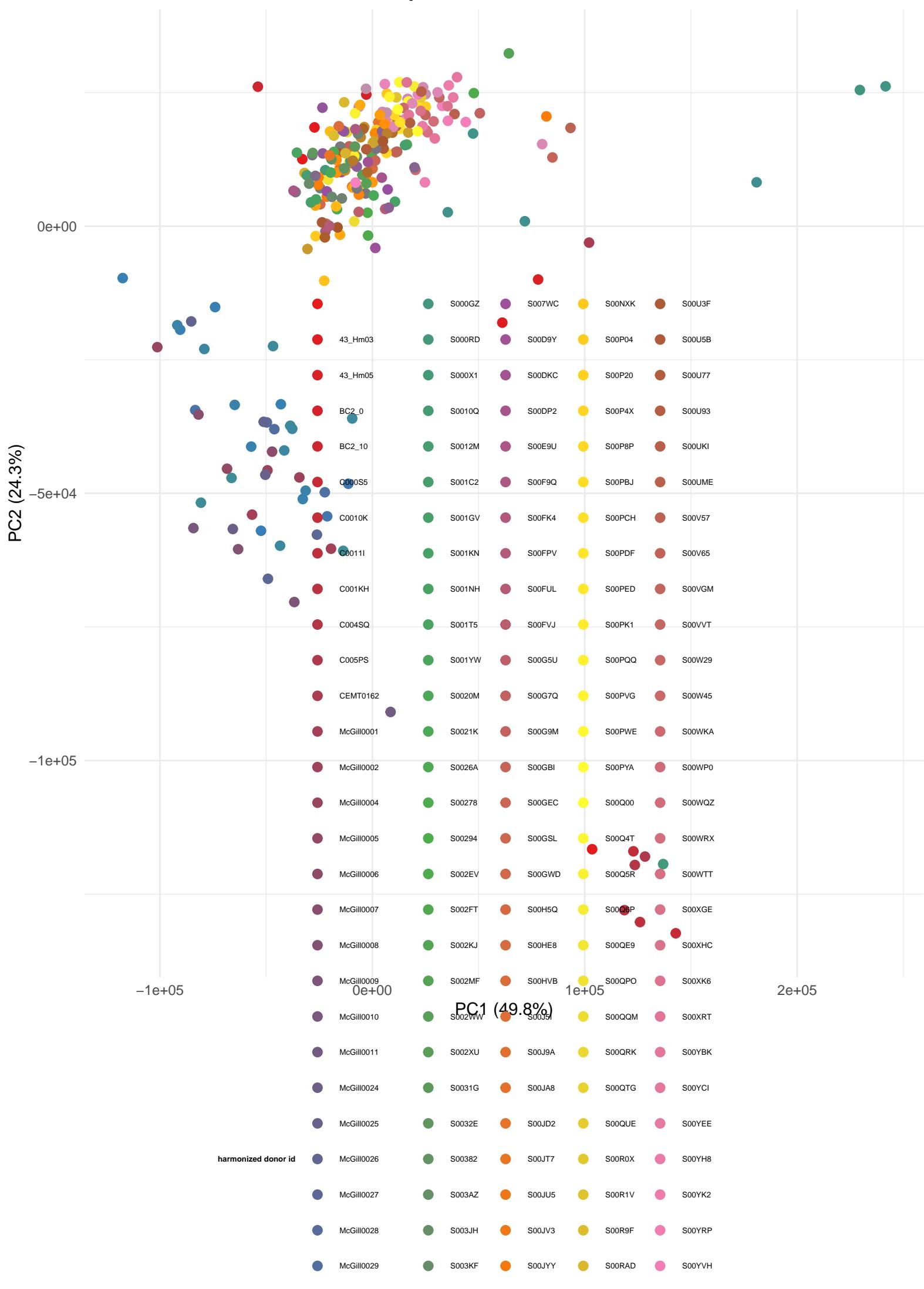
● NCIT:C41132

PCA por harmonized donor type

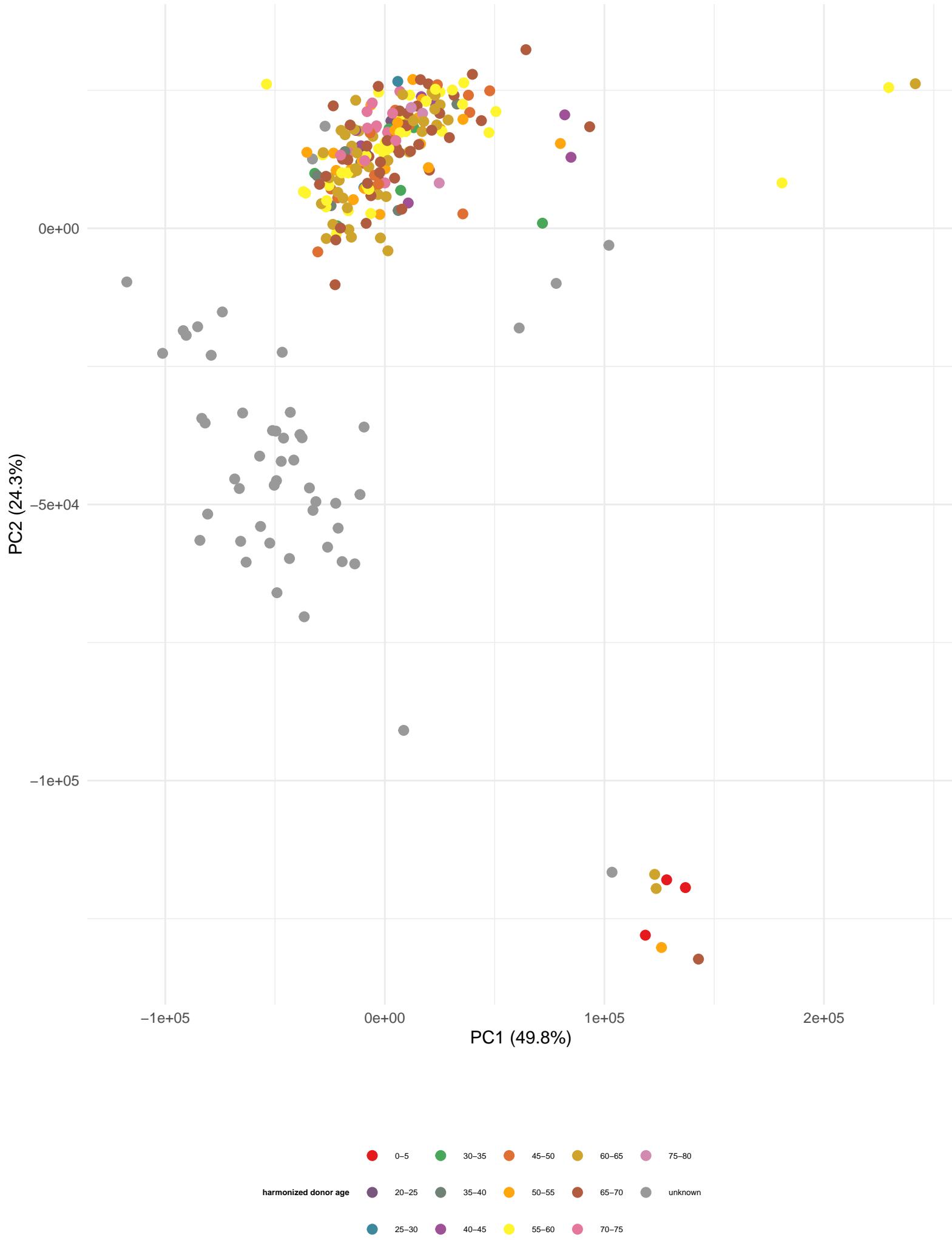


harmonized donor type    ● Composite    ● Pooled samples    ● Single donor

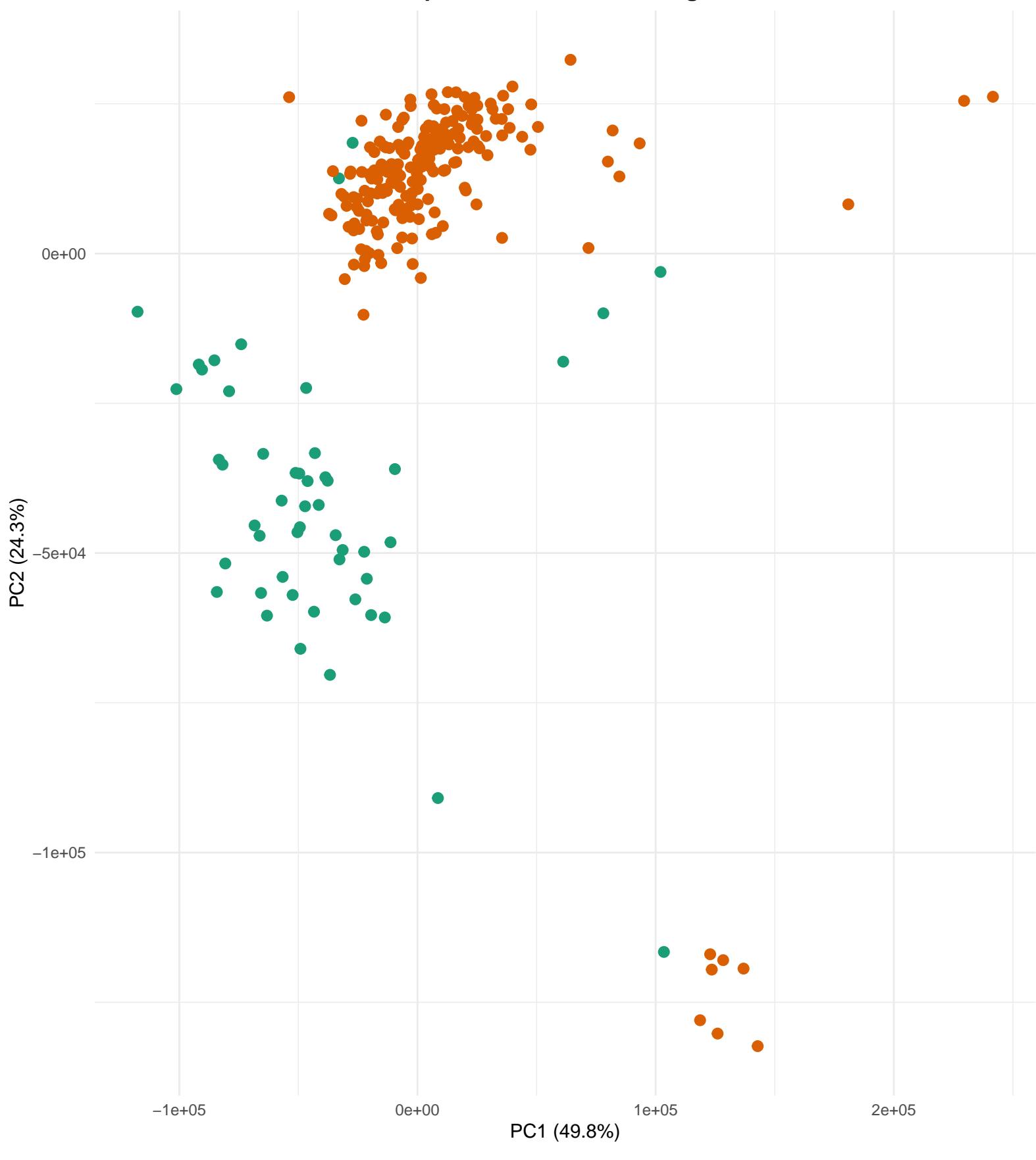
# PCA por harmonized donor id



## PCA por harmonized donor age

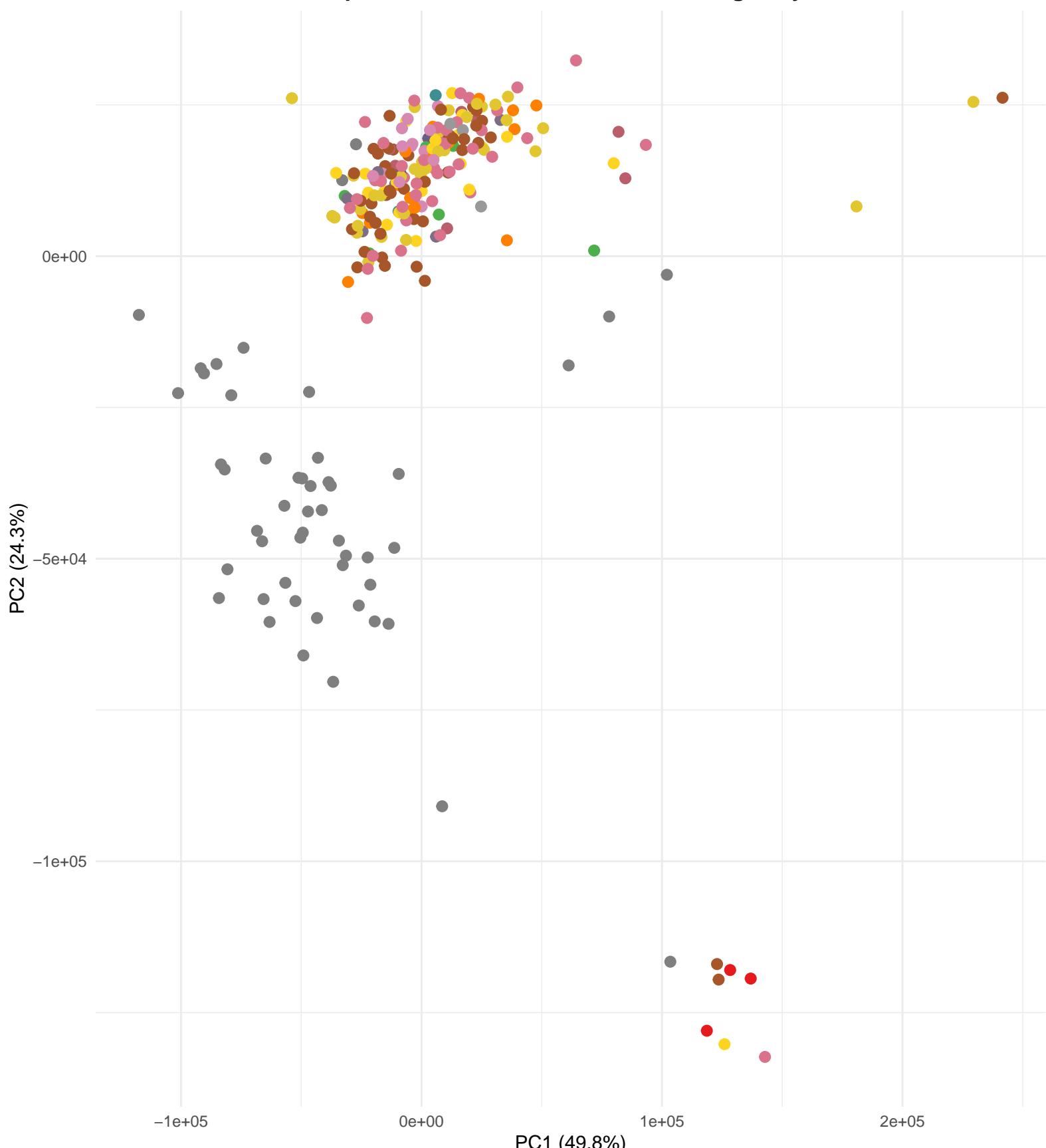


PCA por harmonized donor age unit



harmonized donor age unit      ● unknown      ● year

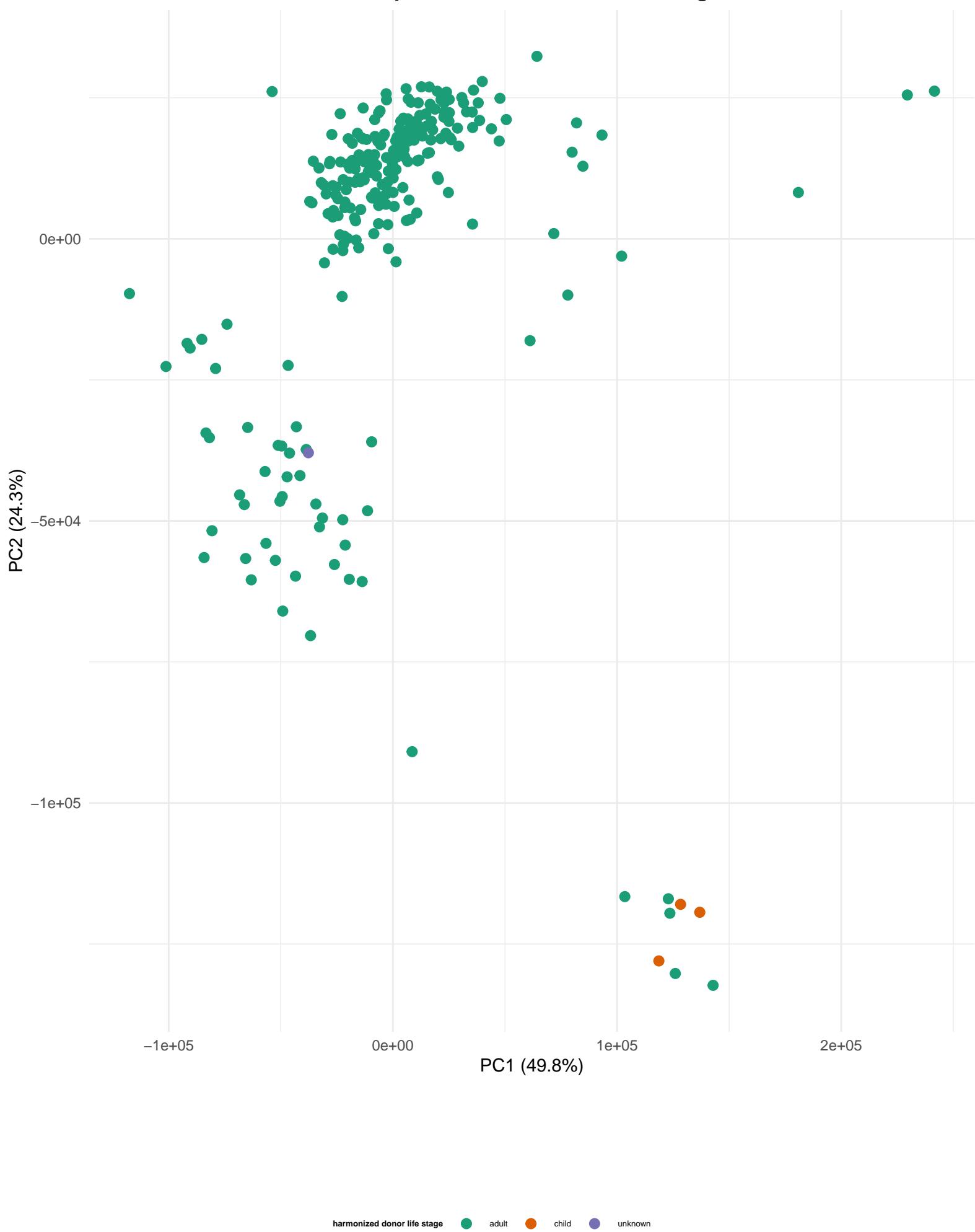
# PCA por automated harmonized donor age in years



automated harmonized donor age in years

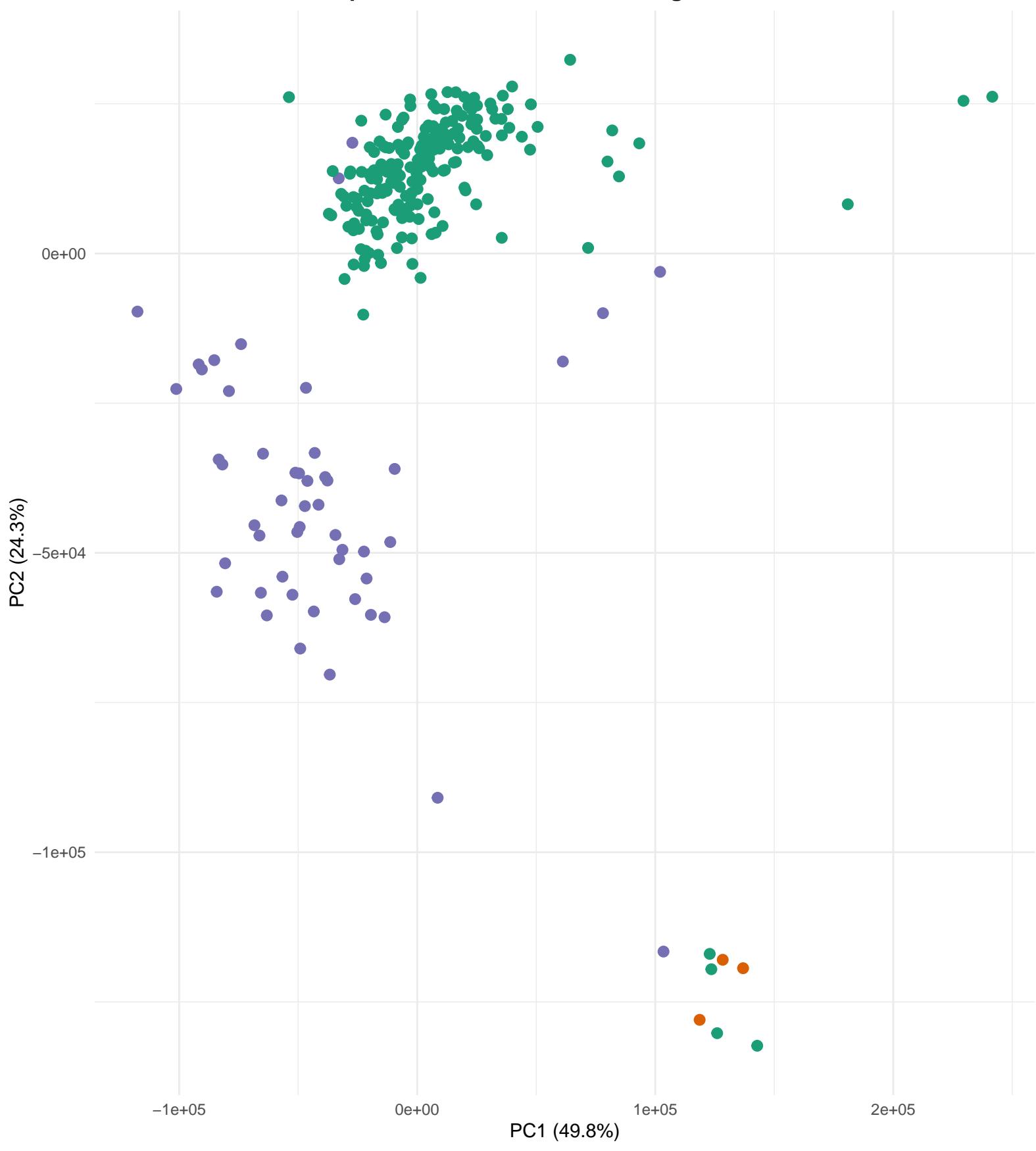
- 2.5
- 32.5
- 47.5
- 62.5
- 77.5
- NA
- 22.5
- 37.5
- 52.5
- 67.5
- 72.5
- 27.5
- 42.5
- 57.5

PCA por harmonized donor life stage



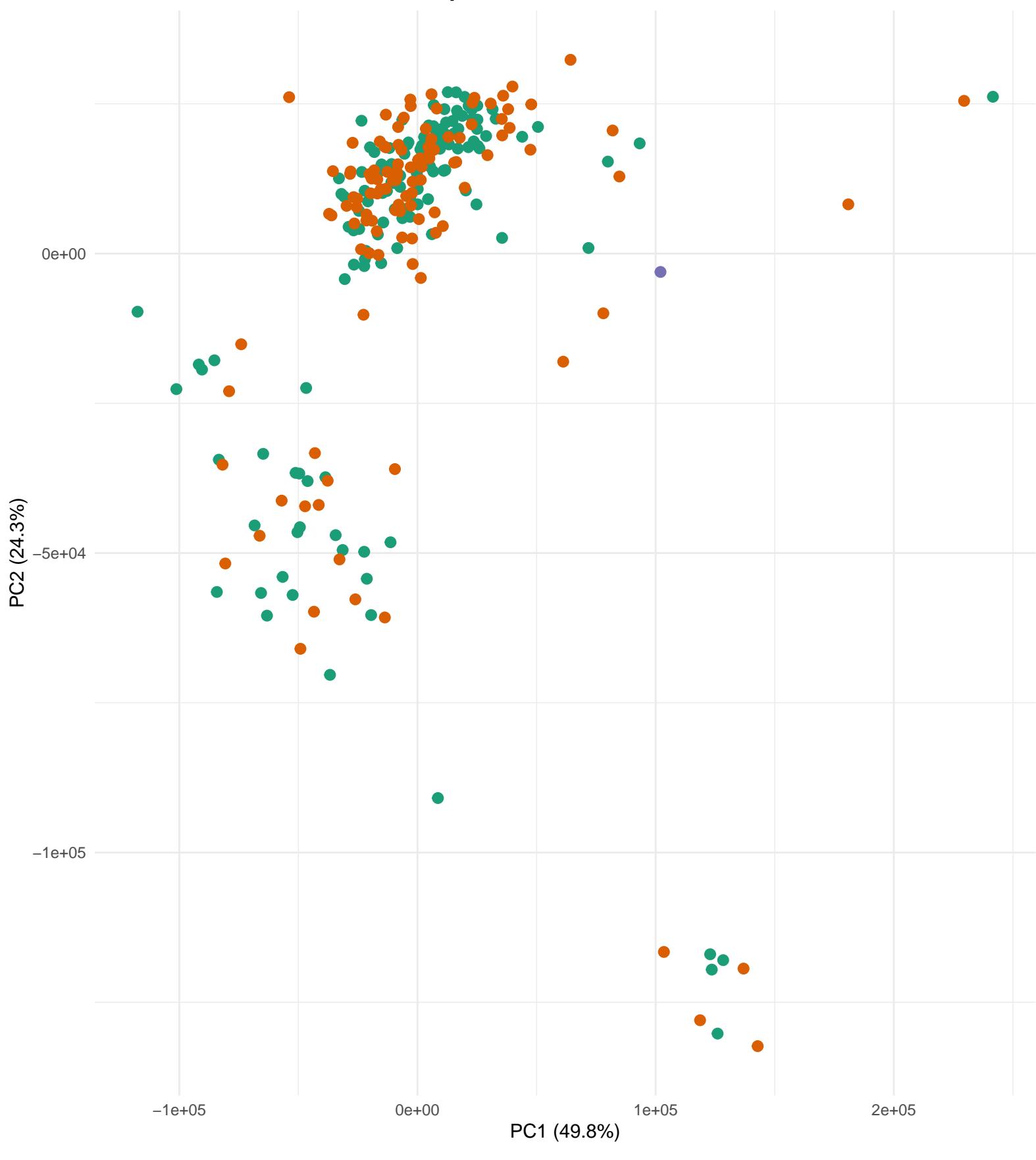
harmonized donor life stage ● adult ● child ● unknown

# PCA por harmonized donor life stage uncorrected



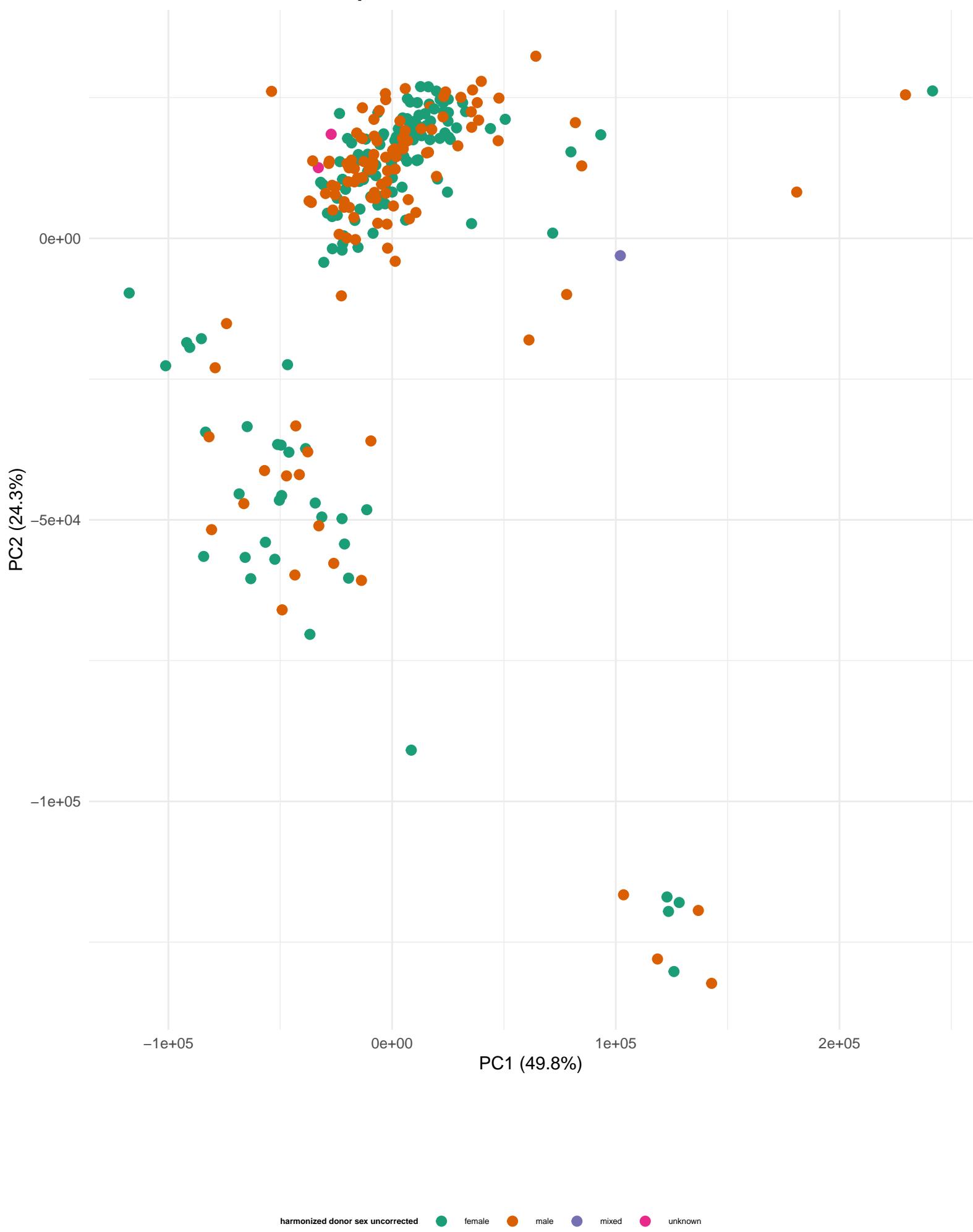
harmonized donor life stage uncorrected ● adult ● child ● unknown

# PCA por harmonized donor sex

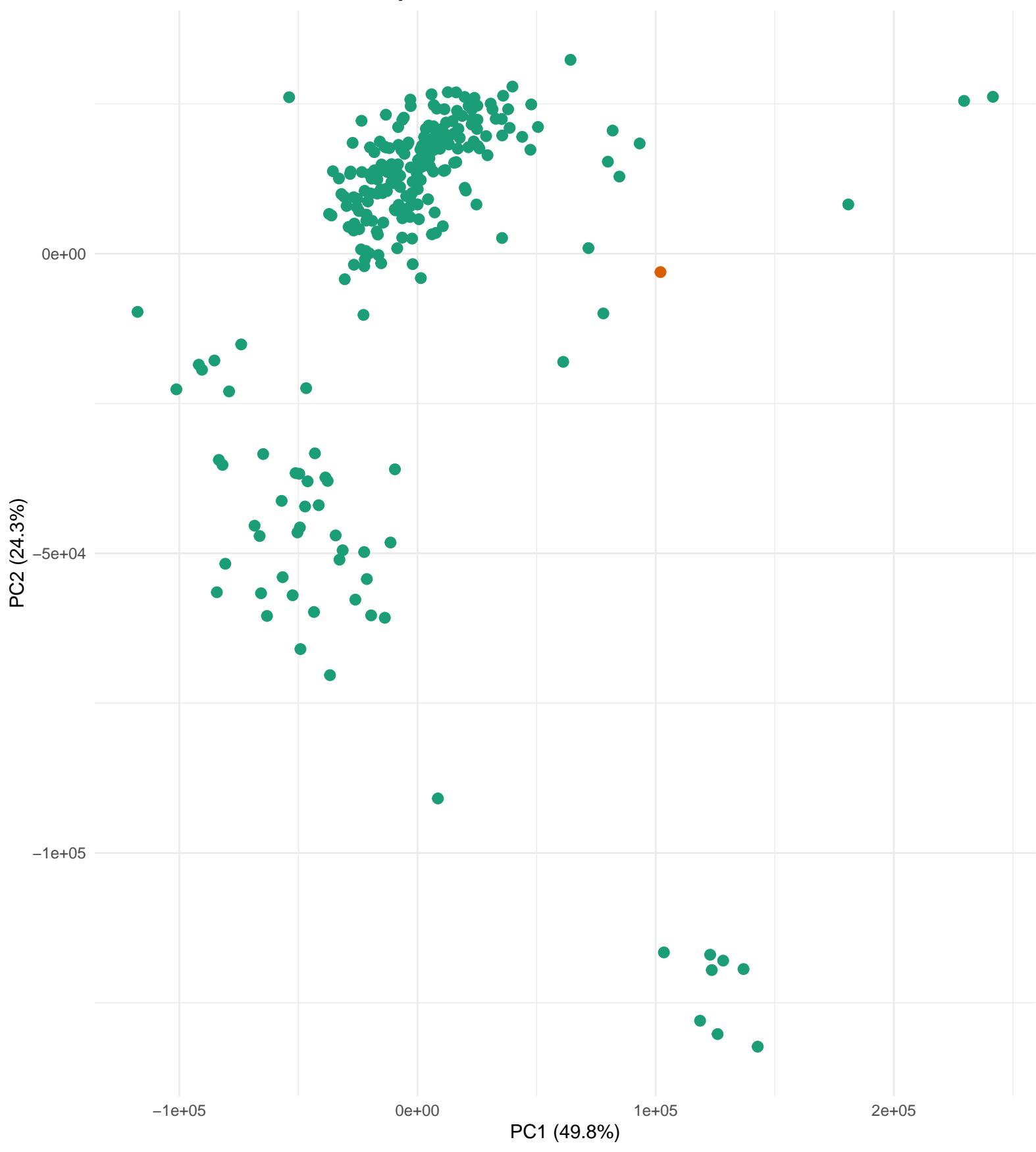


harmonized donor sex    ● female    ● male    ● mixed

# PCA por harmonized donor sex uncorrected

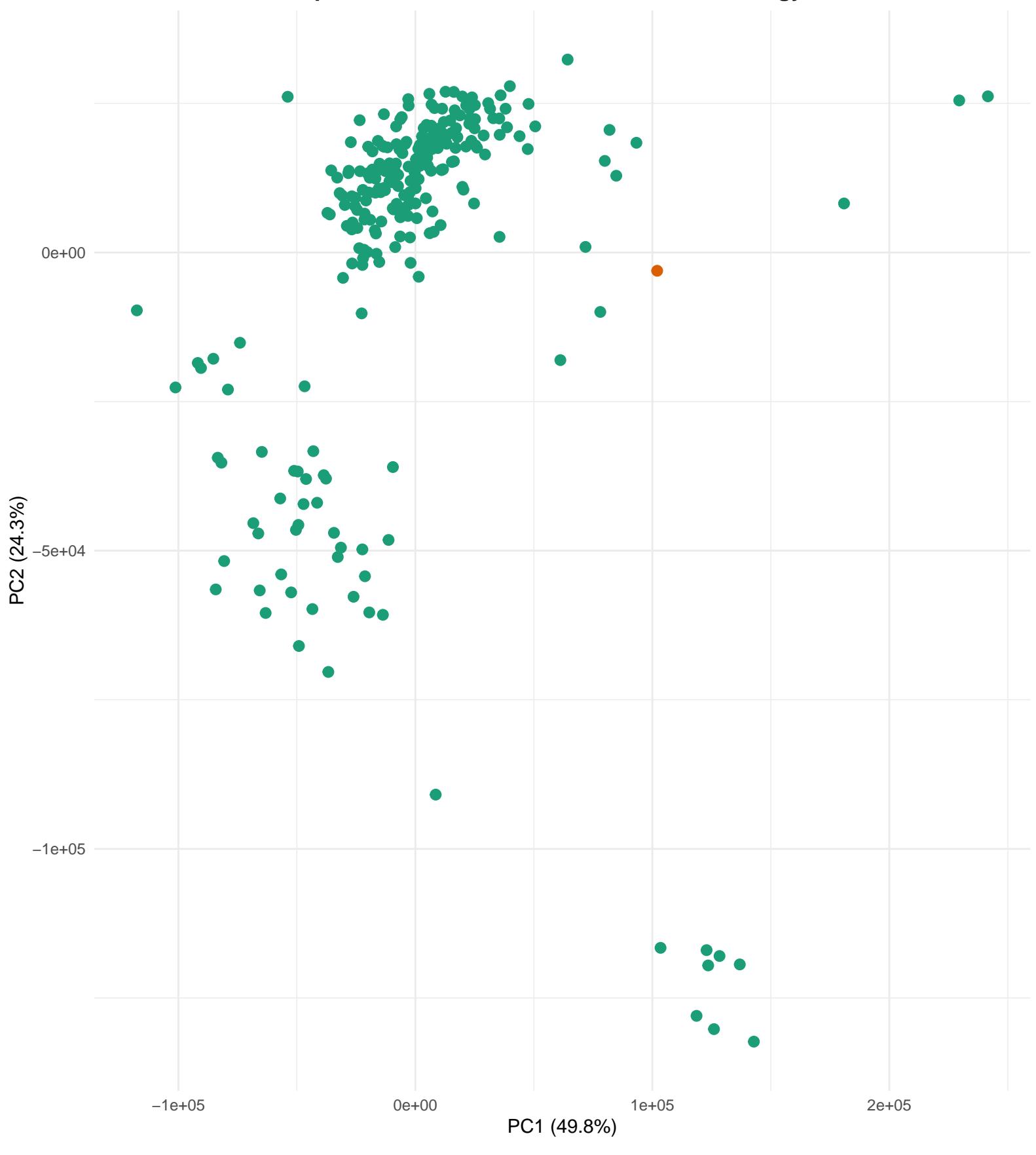


PCA por harmonized donor health status



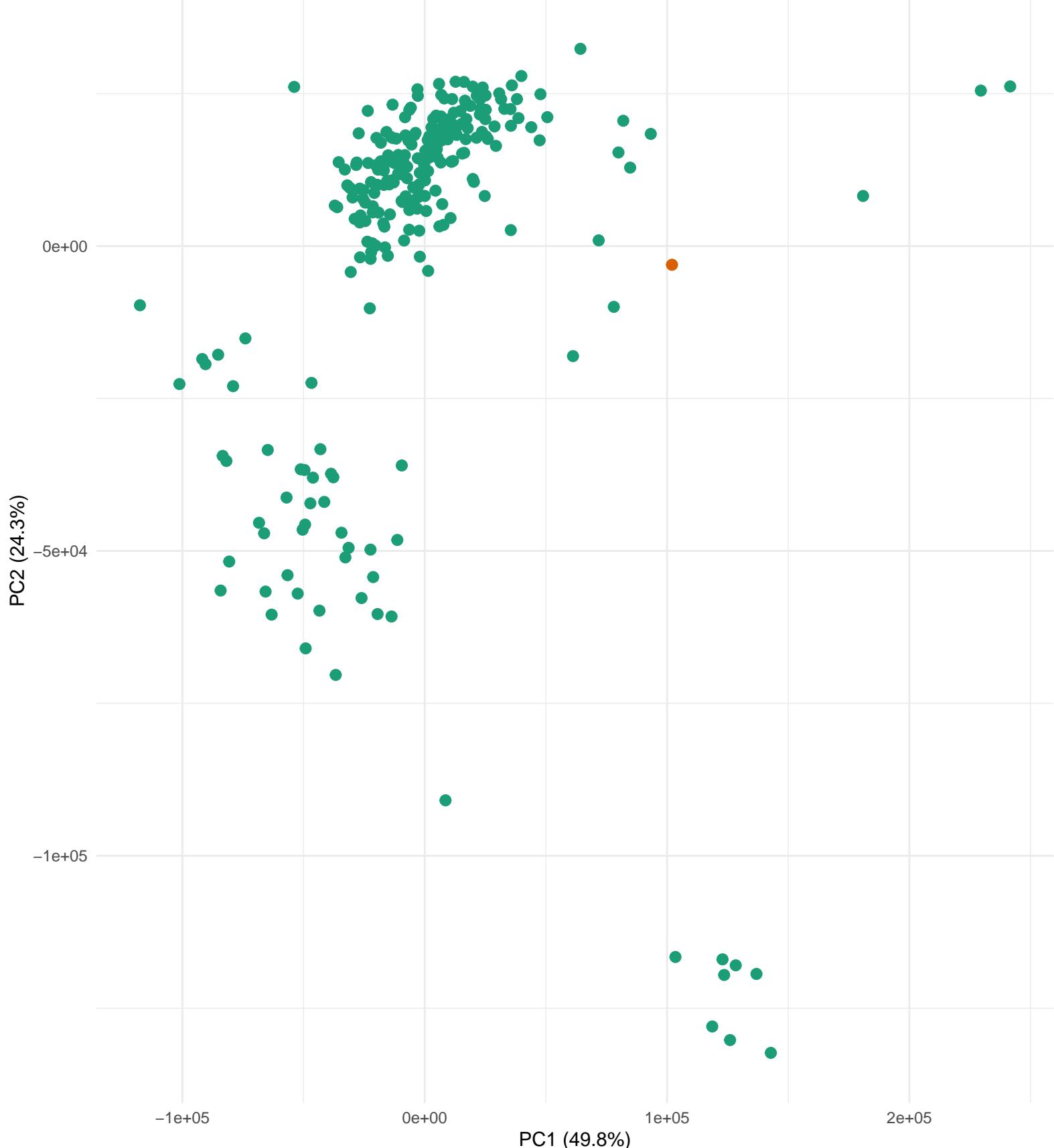
harmonized donor health status ● None

# PCA por harmonized donor health status ontology curie



harmonized donor health status ontology curie ● NCIM:C0549184

# PCA por automated harmonized donor health status ontology curie ncit

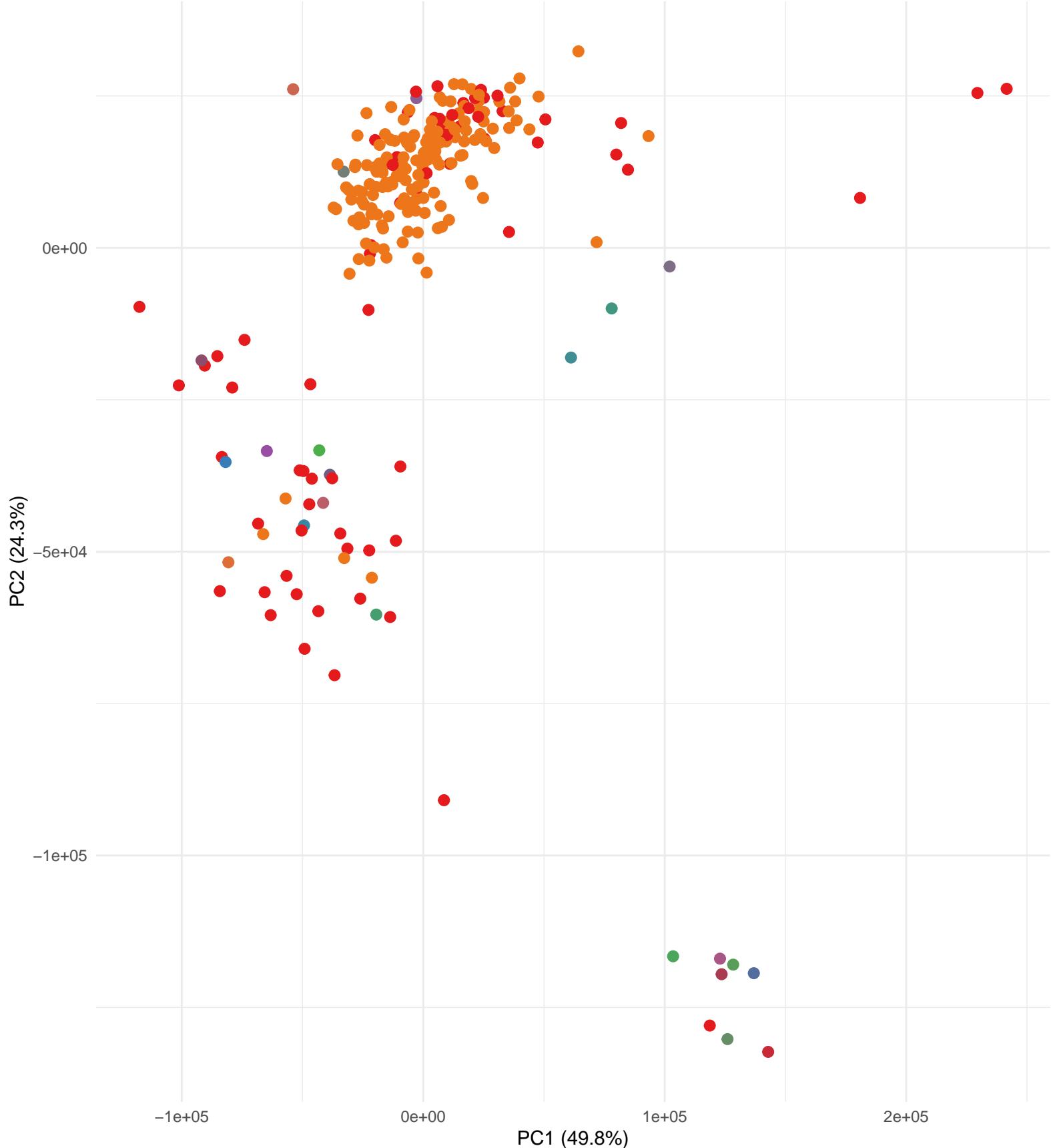


automated harmonized donor health status ontology curie ncit ● NCIT:C41132

# PCA por automated experiments ChIP-Seq H3K27ac

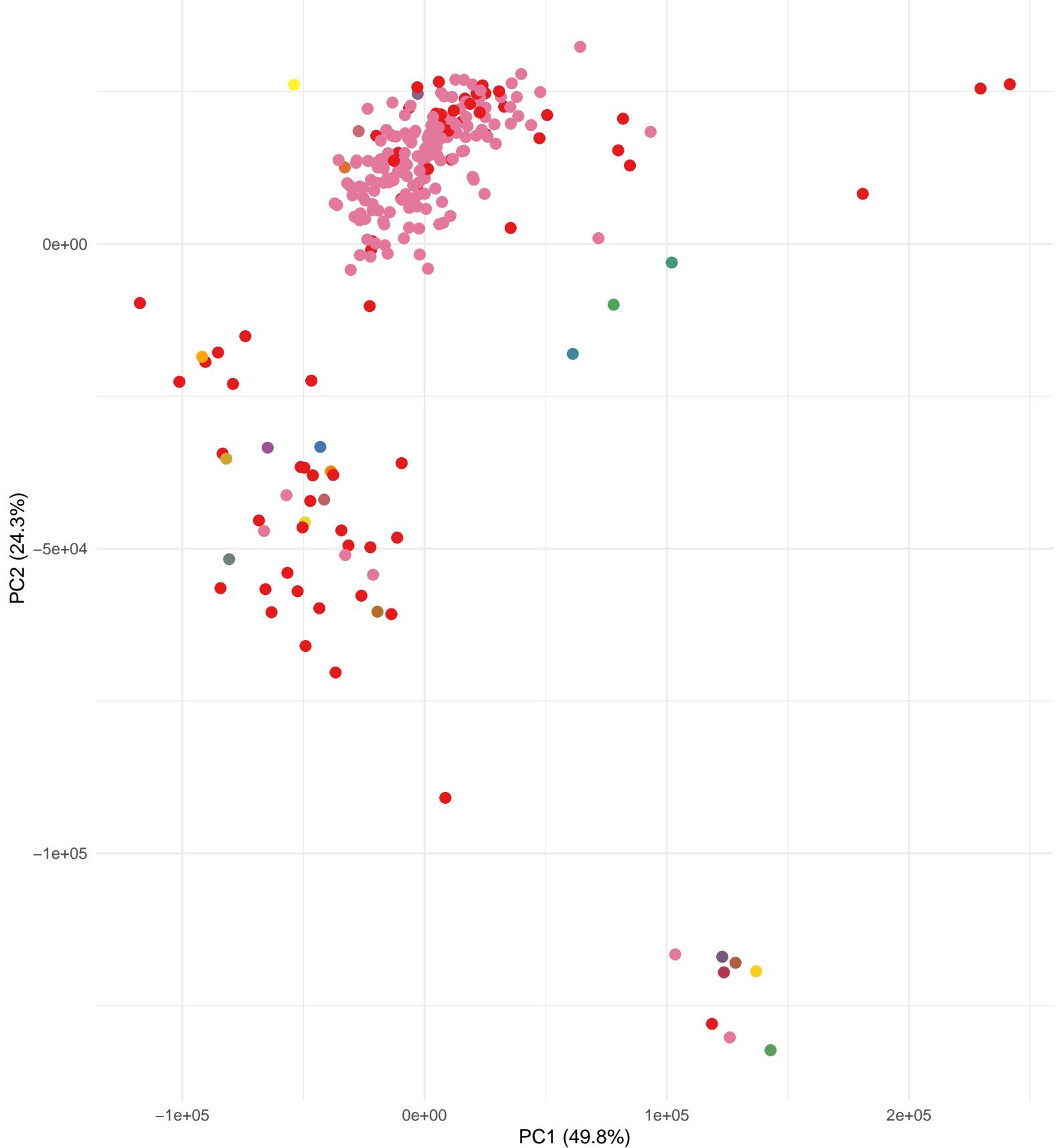


# PCA por automated experiments ChIP–Seq H3K27me3



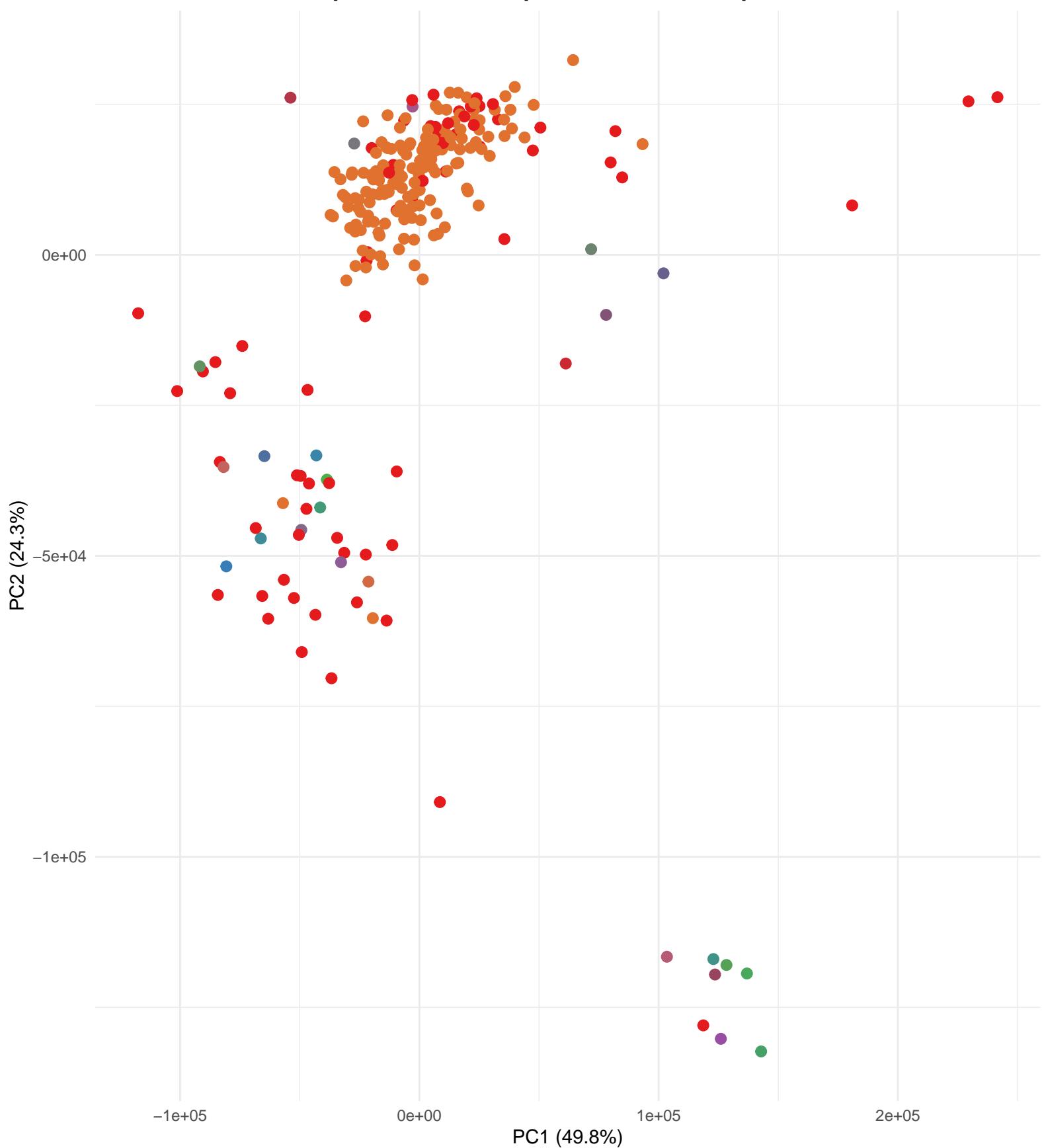
|                                      |                                      |                                      |                                      |           |
|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------|
| 0f1ed0f5-f1e0-4d74-b3bf-fb3d751dc985 | 23af1bd1-f0c5-453e-8760-bf047a842cd8 | 517b2333-37c5-4b4b-b65c-1f93067b93ca | 972b1def-4f27-4bc6-9624-5aee9b5949b4 | e5a8b23b- |
| 15b5016e-771a-4791-960d-6d40861428f9 | 2555c044-a169-434c-aa5a-cdb2619e5c02 | 52c01545-fd2b-416a-bc5d-0f46ed314be3 | a76c9ec7-a103-4b17-9625-01cbf3f2cce7 | ec8a676e- |
| 165cf875-419a-4266-b94d-061e9bb31663 | 30590c4c-78e4-4da6-9844-49fd785aa3ea | 5e75e9ad-e9d2-4508-9566-bf664ca87cc0 | ce41f8e0-fe75-4136-8ba0-d2535a082fce | fed91b6e- |
| 1ccf14fb-5a5a-4c74-8157-04b7e1f2dcf1 | 38776233-86ec-4c86-bd21-d6388683dbd2 | 65fa8cc1-284a-4261-8b82-5bca18ab1a7b | d4e53ed9-085d-44e2-b9a3-06816afdb860 | imputed   |
|                                      | 4025739e-d017-417d-bd1b-2254ef9d0cdc | 739740d6-6a60-4d76-95e7-201d62fa831e | d7a7b491-7ba1-4712-b094-9bf032d03f98 |           |

# PCA por automated experiments ChIP–Seq H3K36me3



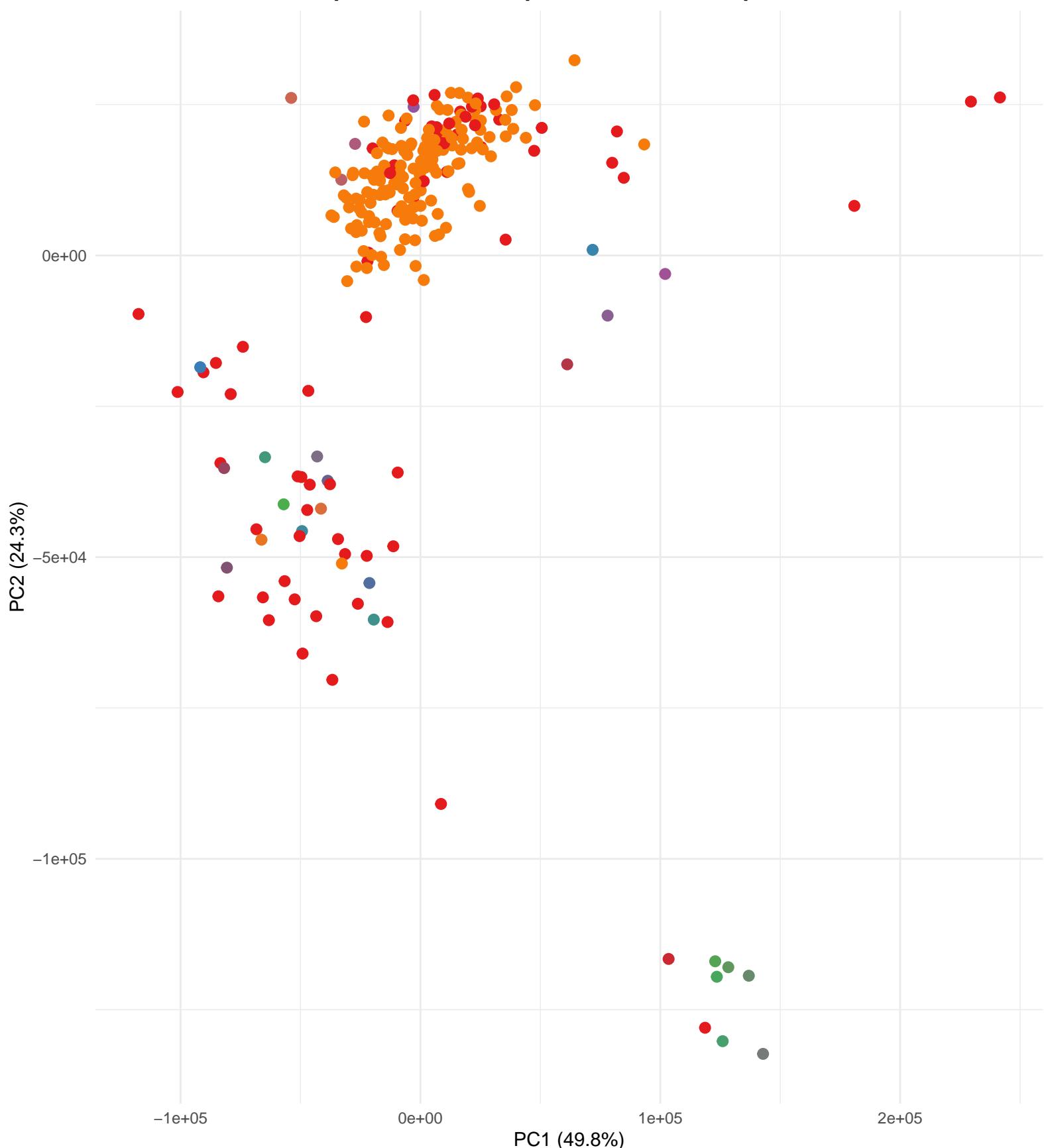
|                                      |                                      |                                       |                                      |             |
|--------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|-------------|
| <b>ChIP–Seq H3K36me3</b>             | 4e81bcc2-9ec4-4d08-b943-7db60ab59078 | 73cca5f1-3898-4daf-996d-381eabe2e655  | a2079e84-2427-4d94-b528-ea4d0be6a729 | f96e1b9b... |
| 06d0440d-166a-4bfb-8784-29eb25ba34d7 | 67529c4a-d5d0-4903-8a4f-92278403d9f7 | 8640a4a8-d266-4cda-8da4-bb8cb36c632a  | abac4394-44be-4aa3-a449-c67db75481d3 | fb7febb...  |
| 131a889b-854e-40f6-8628-78c64ebb1acd | 69150add-aea1-4da8-8056-9d84554477f4 | 88fbcc1f2-69dd-4ec0-959d-790f7118a87f | ad8aa122-d0d8-45b6-96f2-58aee53acf7  | imputed     |
| 3d668648-a4ff-43ad-ae6f-bcf86ce49985 | 69c22d57-7d08-4388-b028-b468a2554e8d | 8ab33063-999a-4988-84dd-a334b327781d  | c74b9473-7abb-43f6-8885-3c40e0552ac6 |             |
| 4d60b2bb-7496-4719-a8ca-5aac334b58d2 | 737eaf7c-fedc-4782-98c7-03d773219a5f | 9855d0cb-9f57-4ffe-b38e-c69d78d3a67b  | f739974c-670d-4a21-94b4-6e6da2e2a1c8 |             |

# PCA por automated experiments ChIP-Seq H3K4me1



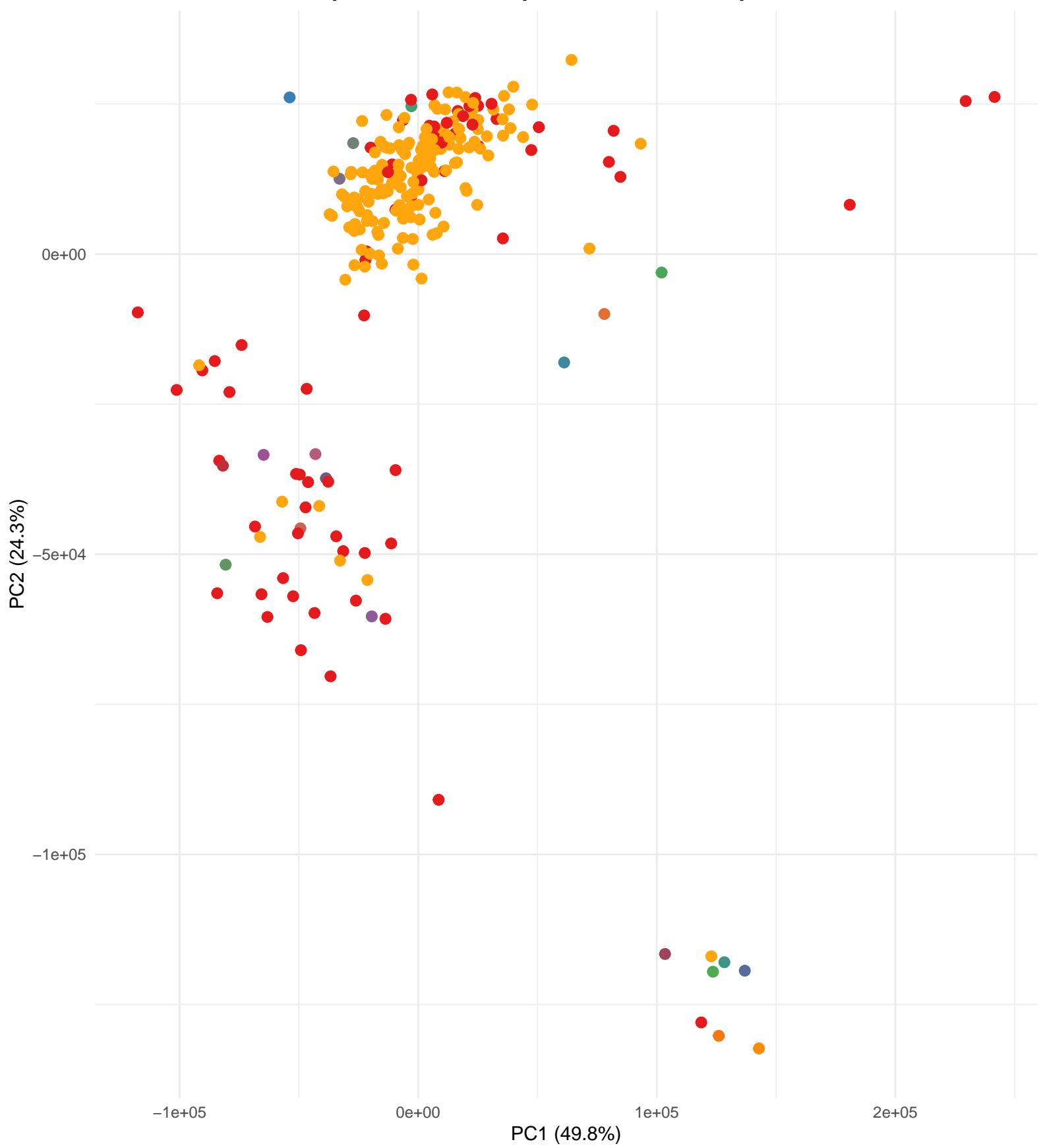
|                                      |                                      |                                       |                                      |              |
|--------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|--------------|
| 0                                    | 26047187-2aea-47ae-97b4-1842ebc14e59 | 5192d960-f7e6-4c19-807d-86c5f08fffc22 | c0e736c7-9829-4b47-a2cd-42d825c5f201 | ec5f998a-... |
| 01db0809-91fa-4fb8-a9d7-60bc51bd2d7e | 279f4a2c-97fc-4d8a-b4ce-6af8c2361f88 | 5644ae9c-281d-4590-b1f4-0e20de6845e6  | cd2006fa-f12a-47e4-a8de-2ef03985dfb6 | fa418ef9-... |
| 0c91e2e5-1304-4ccf-8240-a439ef5e19fb | 3cf6cab8-5a06-44c2-b745-b249948e89e2 | 667978be-7c54-441e-83d2-7798acad8e7b  | d2dd4a85-46b3-427c-b385-ecd574d431a2 | imputed      |
| 16a3040f-b17c-4d67-9177-3d83db7f277e | 47a85ae7-c774-4b17-9e1b-ff9de8857e8c | 856b1d64-01ad-4d8f-893b-b027b47318ee  | d3f81421-18ca-4f81-9c33-d6515bc2383e |              |
| 1b5673b2-9c19-4918-a48e-ba3436bbc7ca | 4936de22-0183-4873-bf4d-329ff27a11ce | a0dc7099-3f19-4364-baf7-c510f93991ef  | d9084971-3596-46ae-b2c3-b636876ab0cf |              |
| 24421c99-53f4-4f1c-8ef1-69e3df8de28a | 4d08e0ac-d0c1-4c04-a5cd-0747efff7a77 | b994f256-2073-4efa-a329-b02983110d17  | e2af51b9-5bba-46b7-9c84-7991dc12768c |              |

# PCA por automated experiments ChIP-Seq H3K4me3



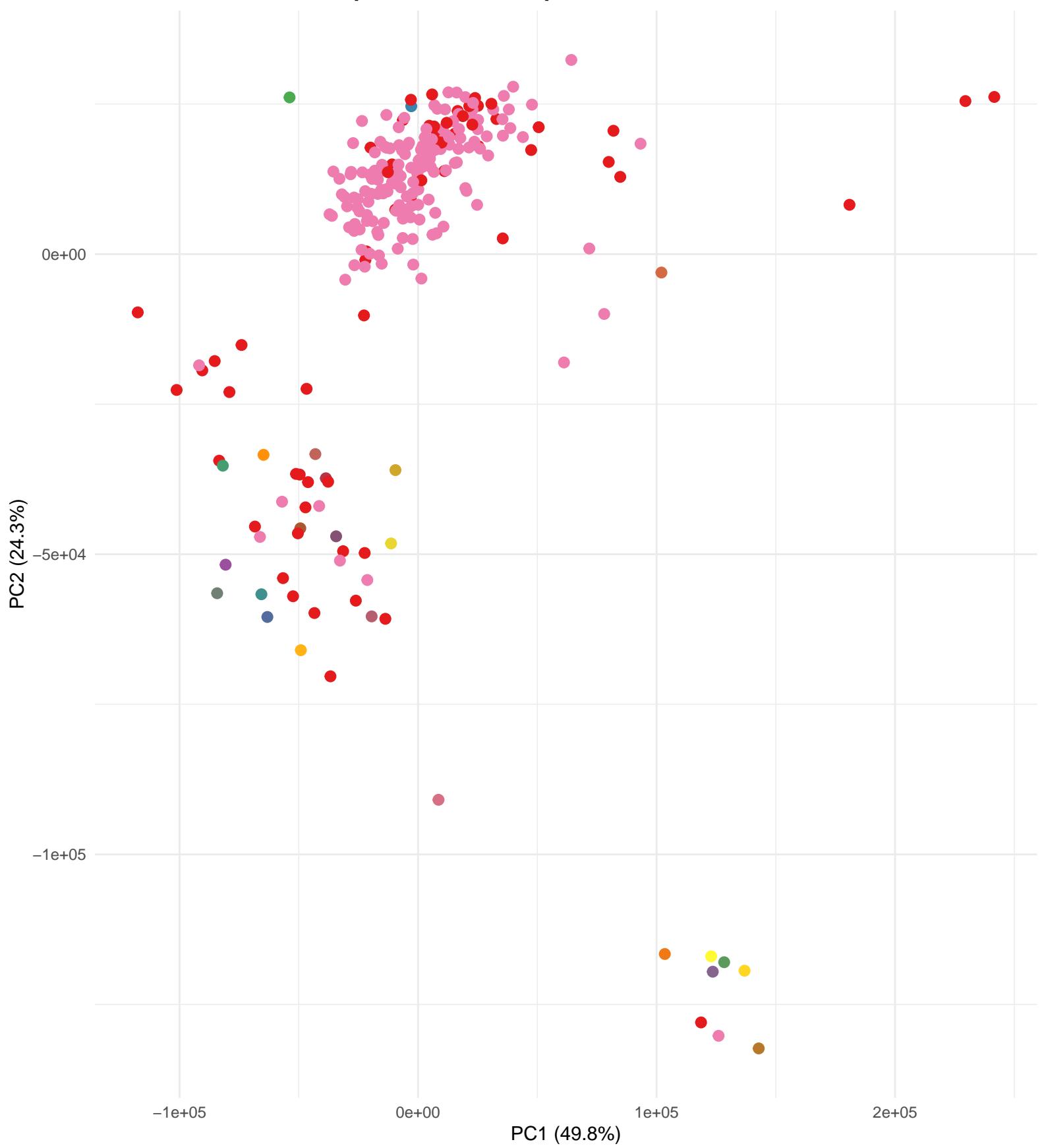
|                                      |                                      |                                      |           |
|--------------------------------------|--------------------------------------|--------------------------------------|-----------|
| Seq H3K4me3                          | ca07b829-                            | 93c45466-c37d-4584-ac62-84daaf3ab1fa | de49c4d5- |
| 00d5222e-206c-4775-bda8-173c5bd52920 | 9c867cb2-87c1-446d-a7eb-1986e48fd4c0 | 9ff516be-9731-44c0-b5ad-335ebcc58a4b | e5395343- |
| 0fc65df4-d665-45e5-b601-58323279be58 | a72d0511-1f6a-4a36-8517-3bc3bef1fd29 | bb12e66c-224d-4318-8f86-5005c23a894a | f01a9368- |
| 22c5c812-e487-45a1-b100-255b7ac328af | 84c0fbce-a093-4f73-97d3-6163522ffccb | c901f0f3-a40c-4558-a576-65e313fa3f60 | imputed   |
| 27a27ea1-2b00-4c14-813e-8060e6e66b8d | 8aad1d9d-d4ae-4ccf-a70a-5db7693e9703 |                                      |           |
| 2a076e8e-9a2f-43b5-99c3-eddd13655e6b | 8c570f10-9831-4857-a68d-6de7246feef0 |                                      |           |
| 2e30d032-4df3-44eb-b173-95f12d9ddedb | 5a09756e-218a-4294-8291-de4af9293719 |                                      |           |
| 3149003f-0ac2-4fdb-a0d8-3d2a295c2828 |                                      |                                      |           |
| 338f4b15-e495-46b5-bbf2-9b406133f089 |                                      |                                      |           |
| 3dc2375f-9530-437e-9fe7-54e01b6a99a6 |                                      |                                      |           |
| 4aadb299-1f7a-44ee-9e26-3106294ab445 |                                      |                                      |           |
| 5a09756e-218a-4294-8291-de4af9293719 |                                      |                                      |           |

# PCA por automated experiments ChIP-Seq H3K9me3



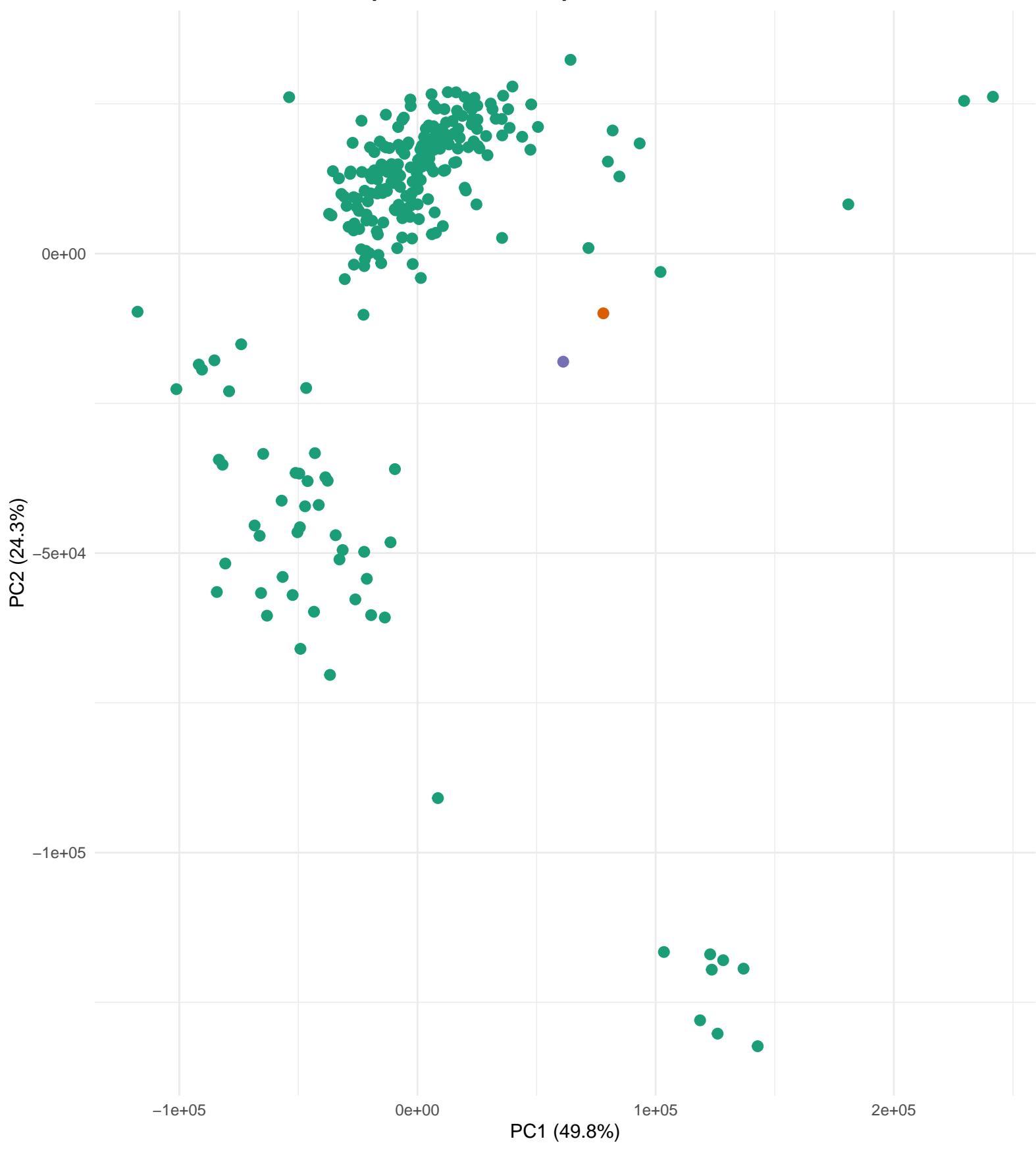
|                  |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                       |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |         |
|------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------|
| ChIP-Seq H3K9me3 | 01056fa5-2189-424c-aa80-7250e2ec9dc9 | 0bc84d6e-37d9-4174-bf3a-836e3f0fe7cf | 0bf1ced9-73d3-4bb4-80e8-08f993f2b136 | 11a776de-361e-4edd-b4c1-1153e9a72498 | 1a15235c-2fe4-4569-a5a6-ed62c1765abd | 1eb5c9a6-e661-4c11-8e25-f4766fa2f43d | 2e98c95e-7e9b-4407-af30-61730f99e499 | 5455a6d7-2c10-4e8c-be6d-9d33be9436db | 70cefef92-a4d9-47d7-a9a6-d9def918e2ee | 728f2424-573a-4743-bf7a-a87d17545a80 | 7977d1a9-d3db-490b-949d-c6cce43aab1c | 9823a214-a29d-4d0e-b894-b3d2e2b481ad | a0eb53f9-c822-4808-8e83-82a6242d6389 | a2f7b6cc-6c13-4941-b36a-dba812715f5d | aa15ac7e-15a0-48e8-acc8-ec3bdca62dd4 | aa54d00c-3307-444e-b6a2-8d8127554fe8 | b8e4fc89-a1f2-4c5d-ae40-28beee956889 | ee8aec03b-6c36-4c8e-bf85-a3e4a702dff | imputed |
|------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------|

# PCA por automated experiments WGBS standard



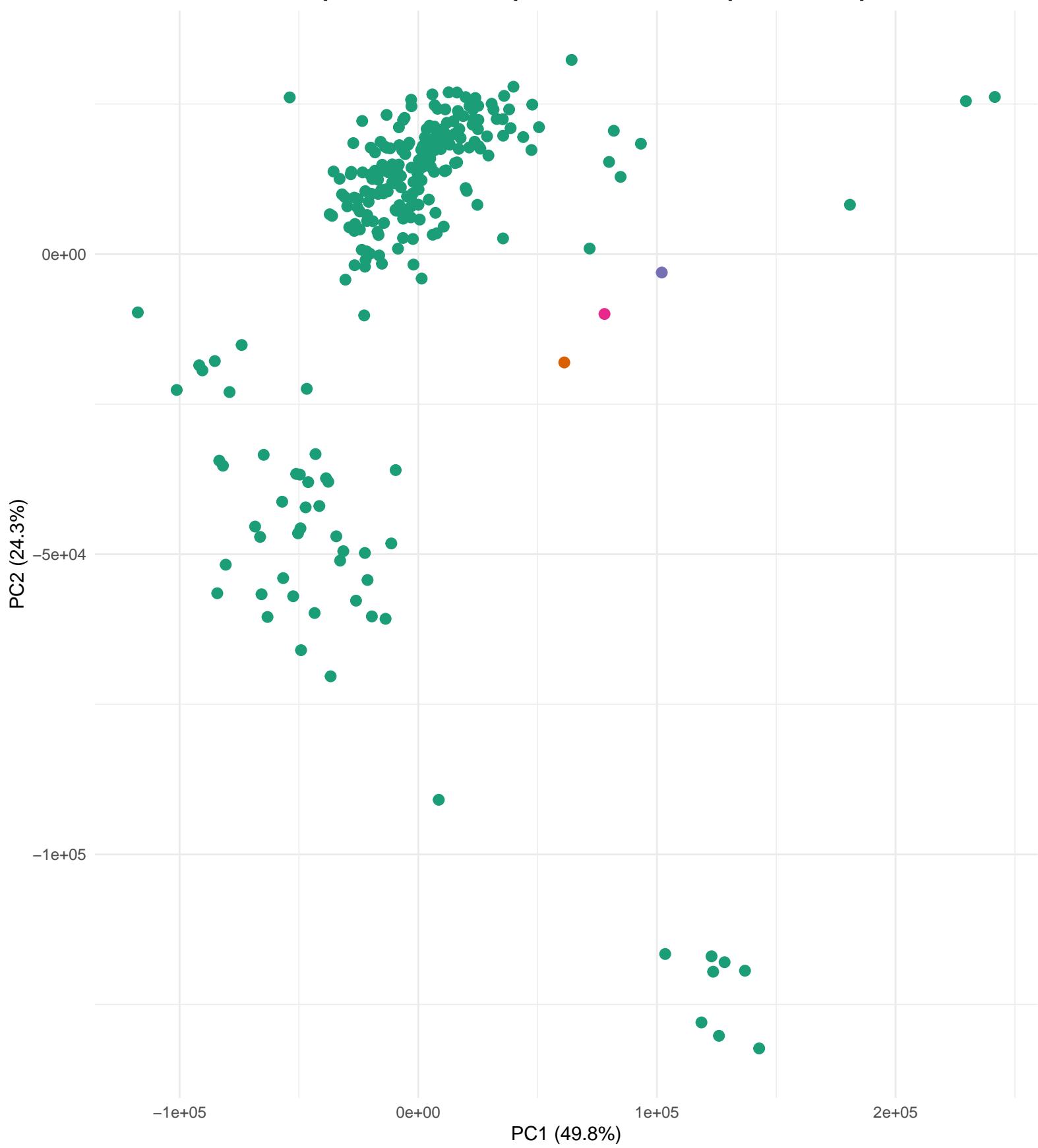
|                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |             |
|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-------------|
| 0b92be18-a813-42e0-97cb-876c5878526f | 49c1707b-3135-4af8-826e-26c3ea7a11b4 | 583d5d54-dcc4-4128-9e72-b2acbd0f465b | 596b82e2-f509-481f-b242-f043d71fe3cb | 5fc0c380-302c-40fe-8371-d95c30ab388e | 6d7d6c61-baf0-41be-9592-d4ea052f685a | 798a59e9-137e-4084-872a-756620680831 | 7b549f1a-3762-4596-abbb-f85d2ac72f0e | 7c1e66be-3bba-496e-8dd1-dca2aefa4fb2 | 8072461f-6ff2-44d0-b041-d267d66c4238 | 88b7d446-b2ba-4615-a7ac-82661af5b7d5 | b4afda21-249c-4afc-a8cd-d11d322f91a0 | b4fe0351-a0d7-4dea-8963-8f54760eaaf9 | d1ef9617-885e-4ed0-909a-ee714adcde82 | d7bd1bfe-5d6c-4be1-bc9b-094a6266714f | e0c2f110-e07e-4581-8c93-265e5ecf7550 | e33b8e3f-b28d-4ede-9843-d62a303fc36d | f22a937a-2f |
| 10273b8a-254b-4c0e-830c-fe7306a0f31d | 49c1707b-3135-4af8-826e-26c3ea7a11b4 | 583d5d54-dcc4-4128-9e72-b2acbd0f465b | 596b82e2-f509-481f-b242-f043d71fe3cb | 5fc0c380-302c-40fe-8371-d95c30ab388e | 6d7d6c61-baf0-41be-9592-d4ea052f685a | 798a59e9-137e-4084-872a-756620680831 | 7b549f1a-3762-4596-abbb-f85d2ac72f0e | 7c1e66be-3bba-496e-8dd1-dca2aefa4fb2 | 8072461f-6ff2-44d0-b041-d267d66c4238 | 88b7d446-b2ba-4615-a7ac-82661af5b7d5 | b4afda21-249c-4afc-a8cd-d11d322f91a0 | b4fe0351-a0d7-4dea-8963-8f54760eaaf9 | d1ef9617-885e-4ed0-909a-ee714adcde82 | d7bd1bfe-5d6c-4be1-bc9b-094a6266714f | e0c2f110-e07e-4581-8c93-265e5ecf7550 | e33b8e3f-b28d-4ede-9843-d62a303fc36d | f22a937a-2f |
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| 7271a973-861c-4765-a17b-767fba07431d | 49c1707b-3135-4af8-826e-26c3ea7a11b4 | 583d5d54-dcc4-4128-9e72-b2acbd0f465b | 596b82e2-f509-481f-b242-f043d71fe3cb | 5fc0c380-302c-40fe-8371-d95c30ab388e | 6d7d6c61-baf0-41be-9592-d4ea052f685a | 798a59e9-137e-4084-872a-756620680831 | 7b549f1a-3762-4596-abbb-f85d2ac72f0e | 7c1e66be-3bba-496e-8dd1-dca2aefa4fb2 | 8072461f-6ff2-44d0-b041-d267d66c4238 | 88b7d446-b2ba-4615-a7ac-82661af5b7d5 | b4afda21-249c-4afc-a8cd-d11d322f91a0 | b4fe0351-a0d7-4dea-8963-8f54760eaaf9 | d1ef9617-885e-4ed0-909a-ee714adcde82 | d7bd1bfe-5d6c-4be1-bc9b-094a6266714f | e0c2f110-e07e-4581-8c93-265e5ecf7550 | e33b8e3f-b28d-4ede-9843-d62a303fc36d | f22a937a-2f |
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# PCA por automated experiments WGBS PBAT



automated experiments WGBS PBAT    ●    25b590c4-a83d-4b5c-89fe-7d4d44413ef0    ●    5ca64620-c46a-4ee2-99e4-49e69ced9d51

# PCA por automated experiments RNA-Seq mRNA-Seq

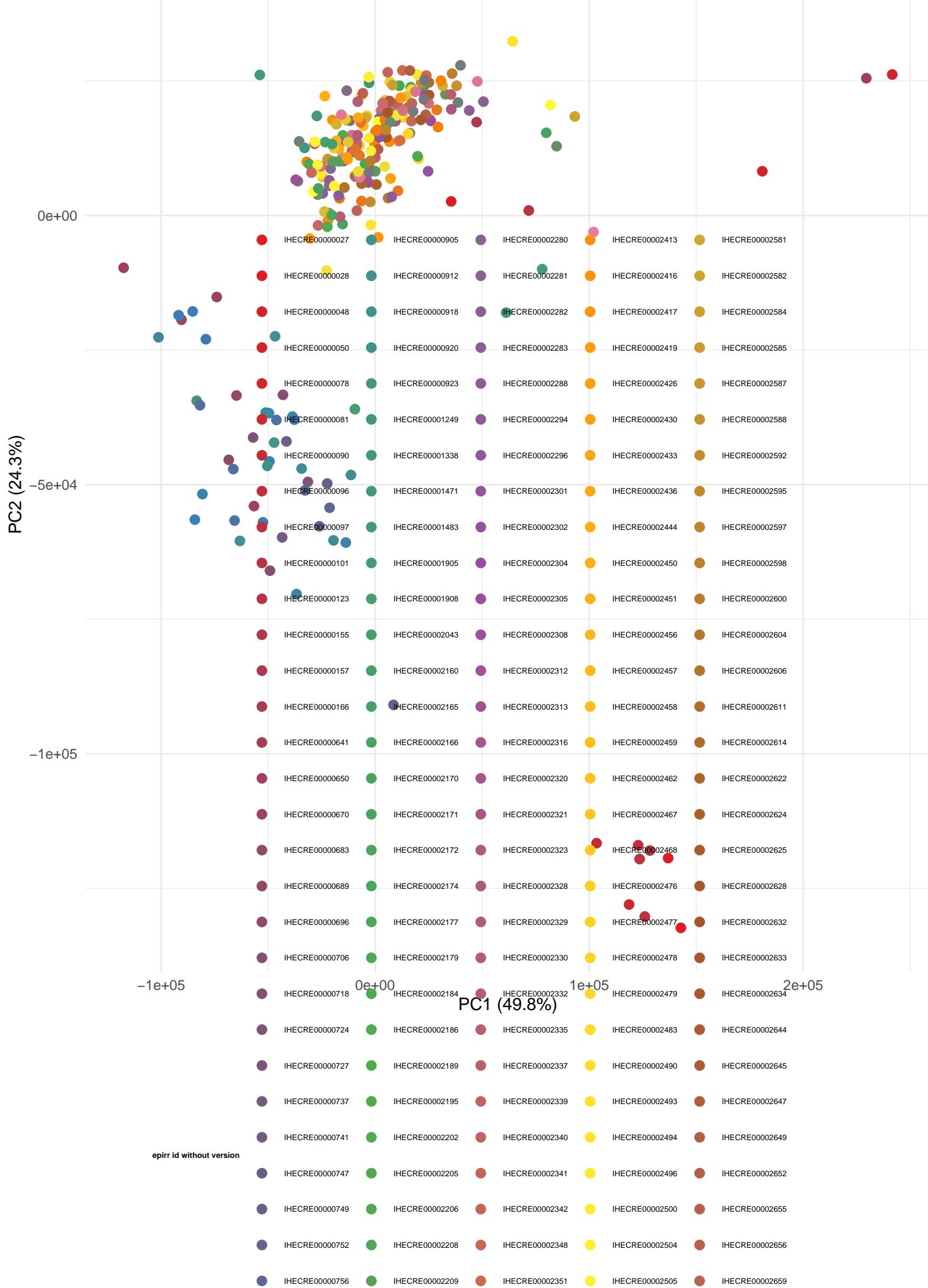


automated experiments RNA-Seq mRNA-Seq ● 20a634b9-55e4-4591-800d-f57f251ed6ce ● 87e701ba-8f3d-40ae-88af-d359a0478339 ● f85744fa-d139-4ddd-a39d-b45a691b16fa

# PCA por automated experiments RNA-Seq total-RNA-Seq



# PCA por epirr id without version



# PCA por EpiRR ordering

