# PDAC gene expression analysis

#### Richard Moffitt

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| loa | ad required libraries                                   |     |
| ##  | Setting options('download.file.method.GEOquery'='auto') |     |
| ##  | Setting options('GEOquery.inmemory.gpl'=FALSE)          |     |
| ##  |   |     |
| ##  |   |     |
| ##  |   |     |
|     |   |     |

## Type 'citation("pROC")' for a citation.

```
##
## Attaching package: 'pROC'
## The following objects are masked from 'package:stats':
##
##
       cov, smooth, var
##
## Attaching package: 'plyr'
## The following object is masked from 'package:ggpubr':
##
##
       mutate
Preprocessing of genesets
## Registered S3 method overwritten by 'GGally':
##
     method from
```

#### Match samples from same source

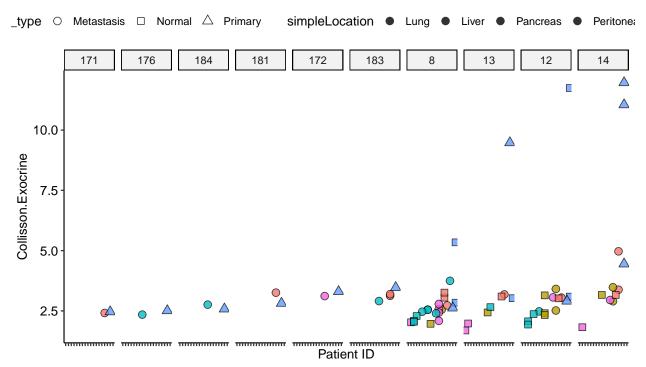
ggplot2

#### Results

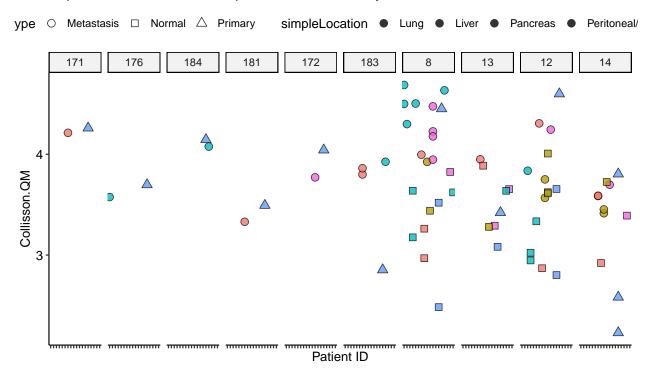
+.gg

##

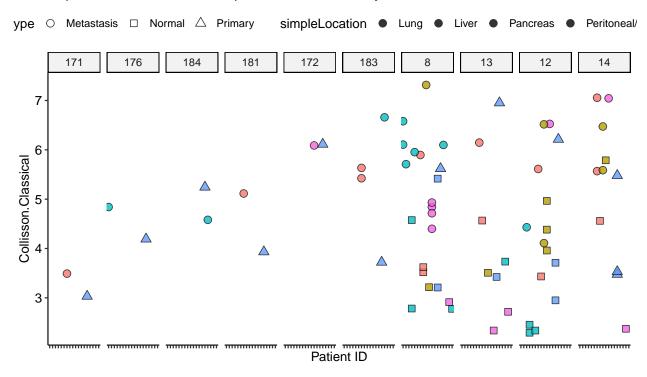
#### Exocrine signature by matched samples



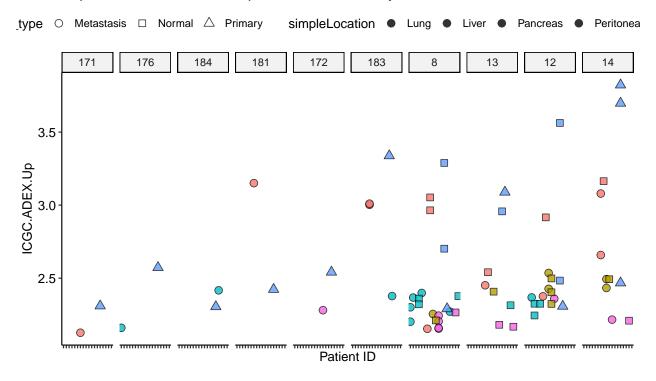
#### QM signature by matched samples



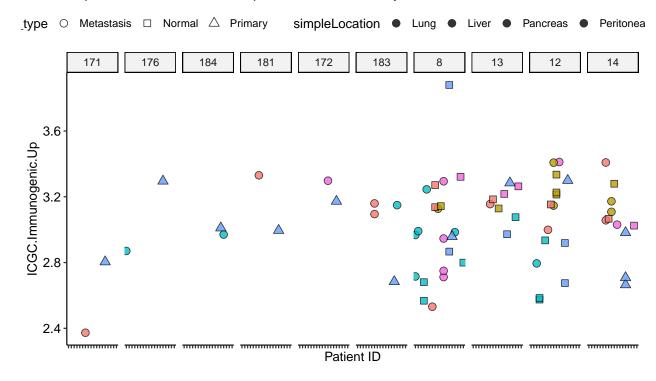
## Collisson Classical signature by matched samples



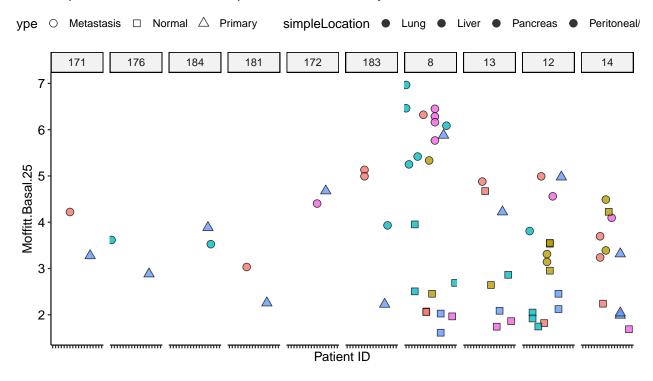
#### ADEX signature by matched samples



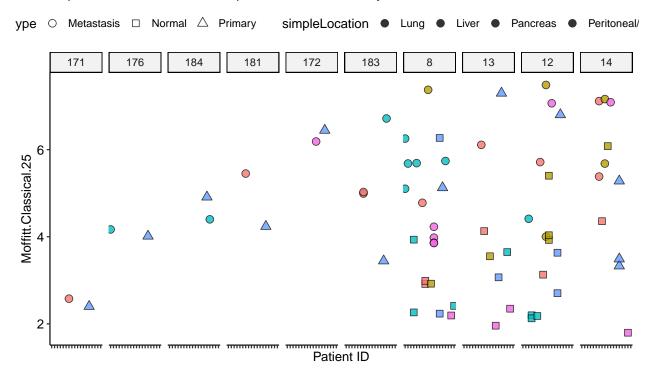
## Immunogenic signature by matched samples



#### Basal-like signature by matched samples

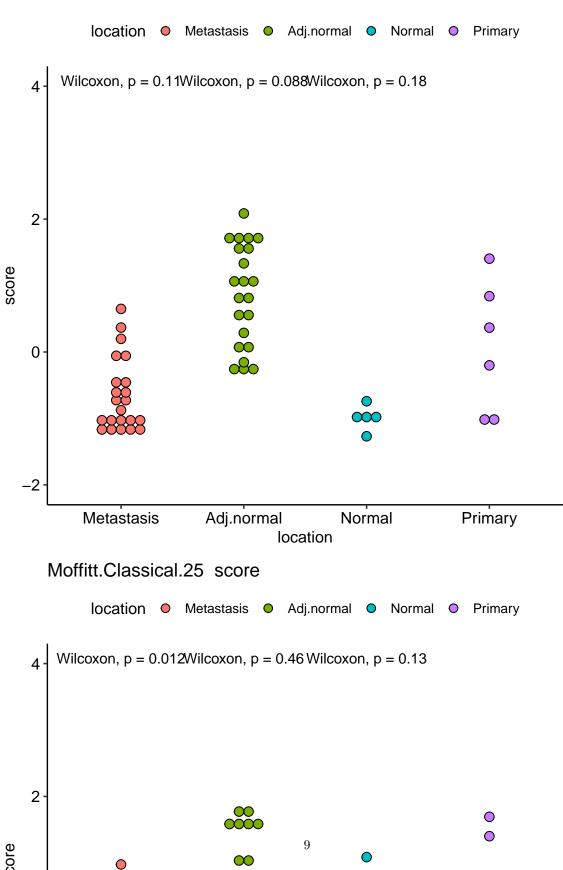


#### Classical signature by matched samples

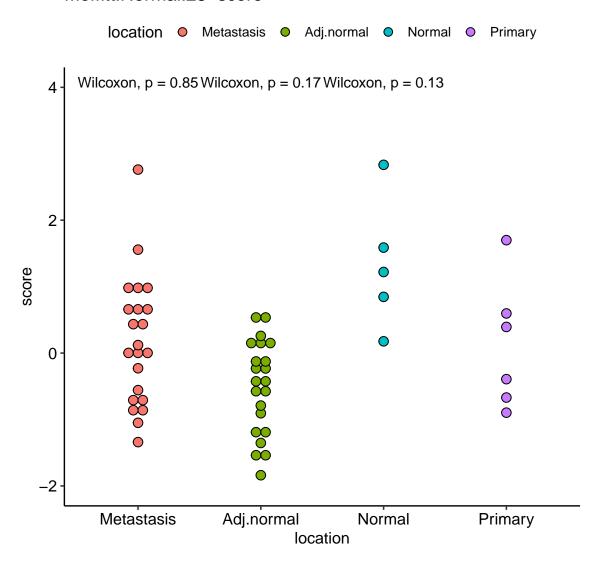


#### Simplified patient matched sample plots

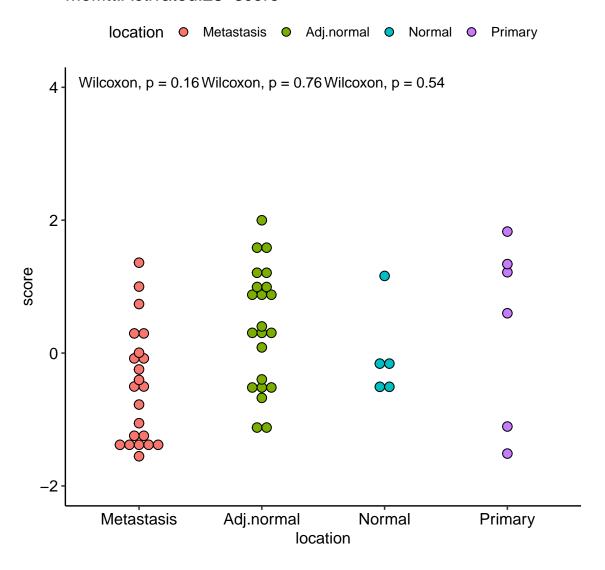
#### Moffitt.Basal.25 score



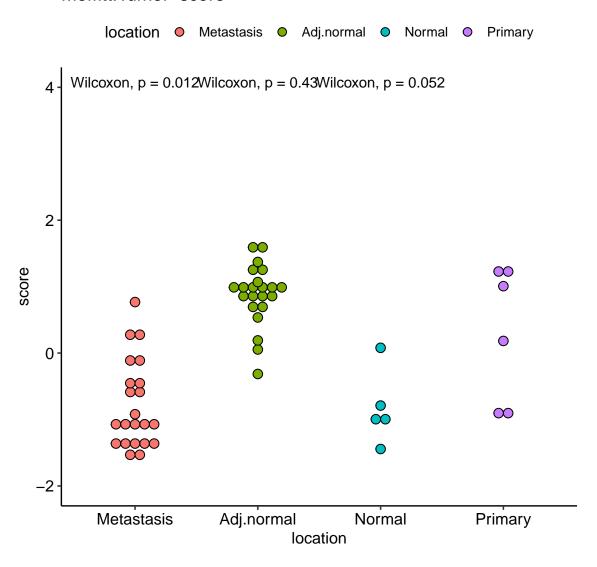
#### Moffitt.Normal.25 score



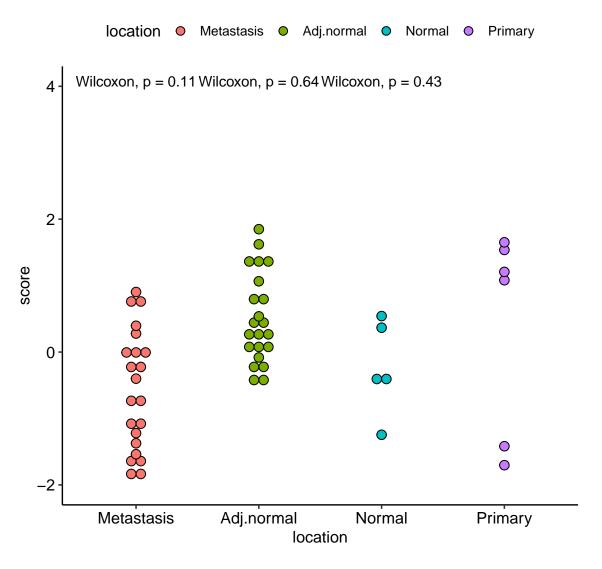
#### Moffitt.Activated.25 score



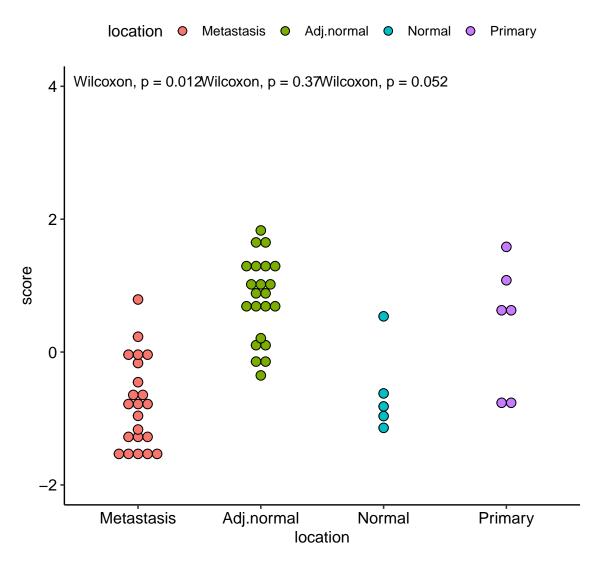
#### Moffitt.Tumor score



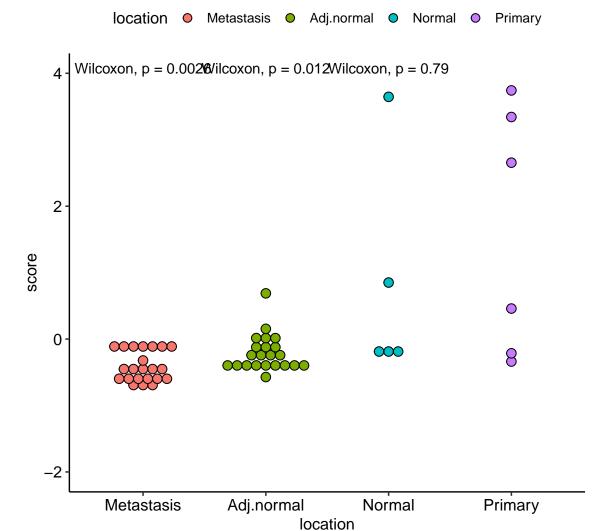
## Puleo.Centroids score



## Collisson.Classical score

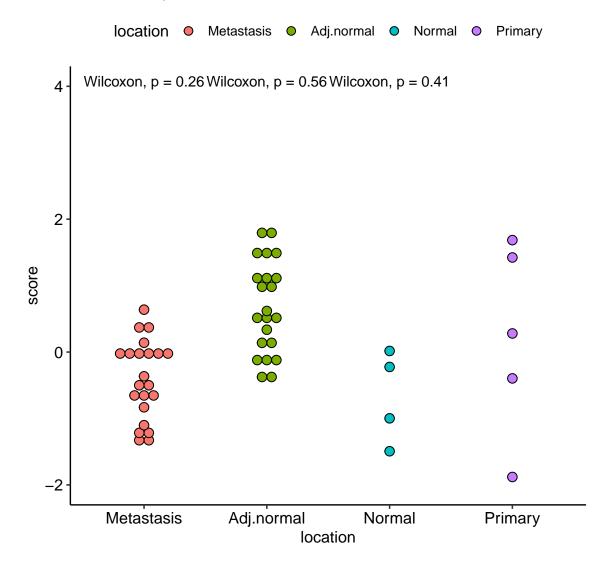


#### Collisson. Exocrine score



- ## Warning: Removed 2 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 2 rows containing non-finite values (stat\_compare\_means).

## Collisson.QM score



## ICGC.ADEX.Up score

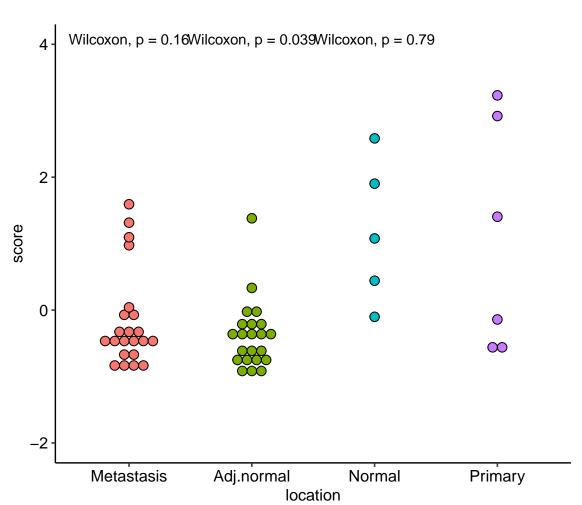
location 

Metastasis 

Adj.normal 

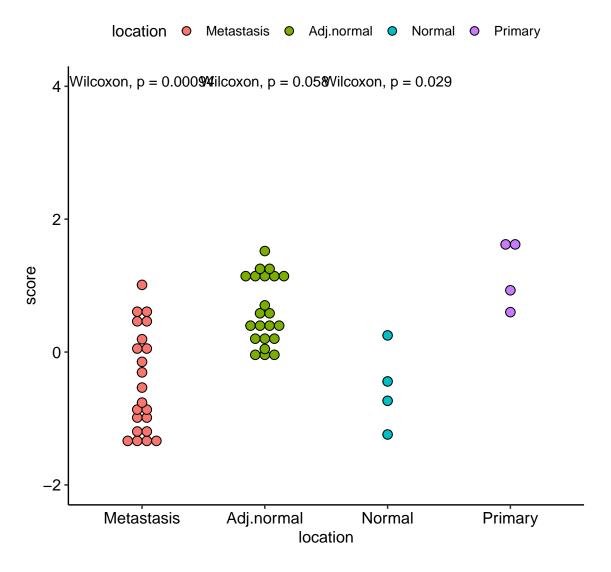
Normal 

Primary

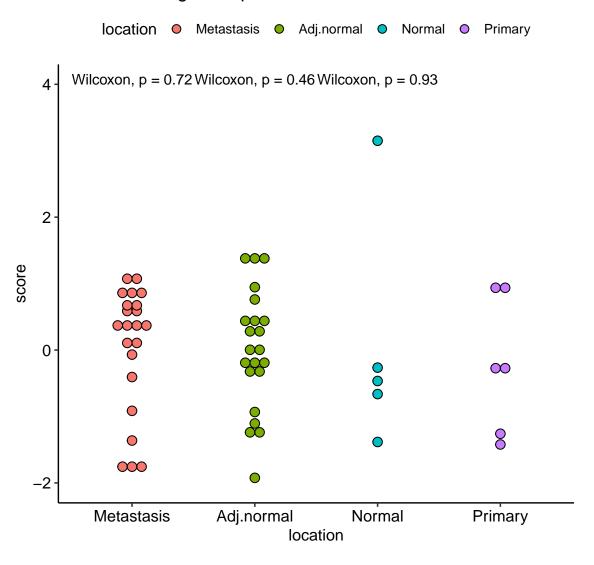


- ## Warning: Removed 3 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 3 rows containing non-finite values (stat\_compare\_means).

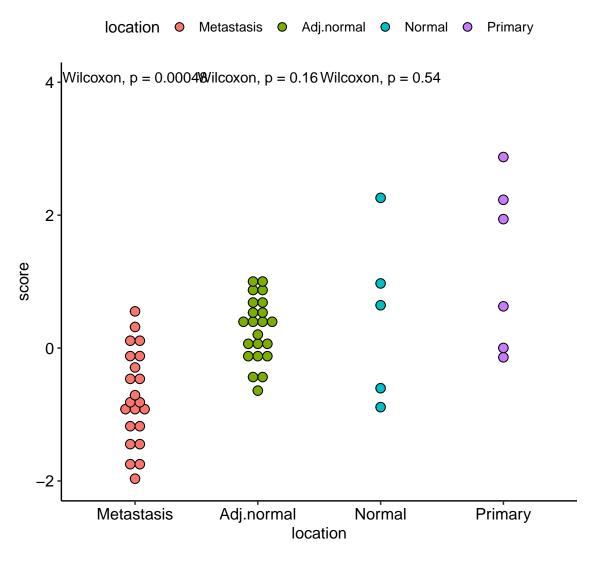
#### ICGC.ADEX.Down score



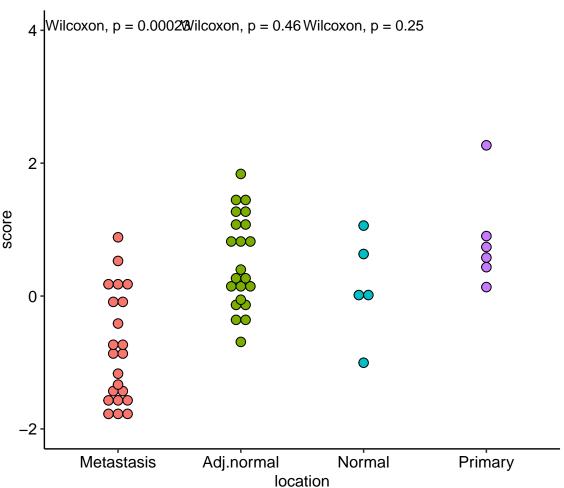
## ICGC.Immunogenic.Up score



## ICGC.Immunogenic.Down score

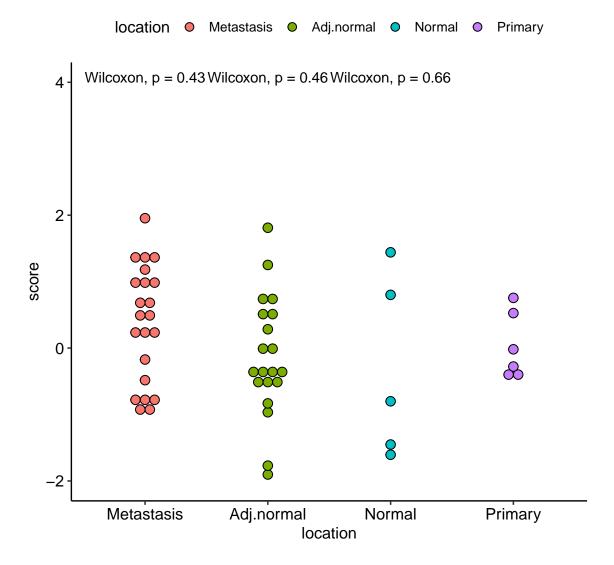


## ICGC.Progenitor.Up score



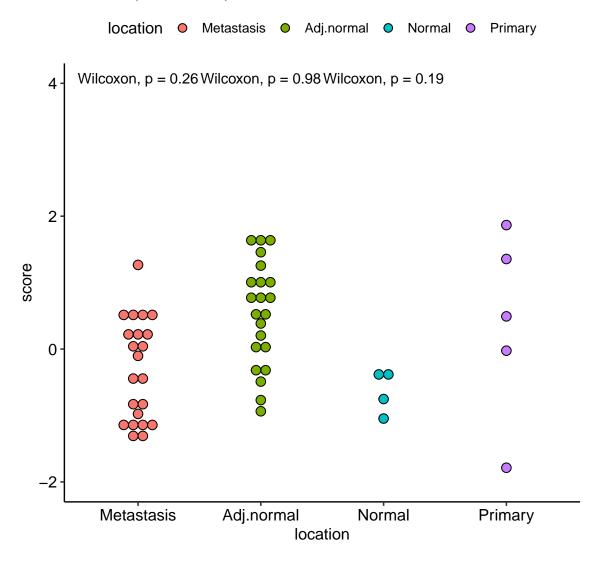
- ## Warning: Removed 2 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 2 rows containing non-finite values (stat\_compare\_means).

## ICGC.Progenitor.Down score

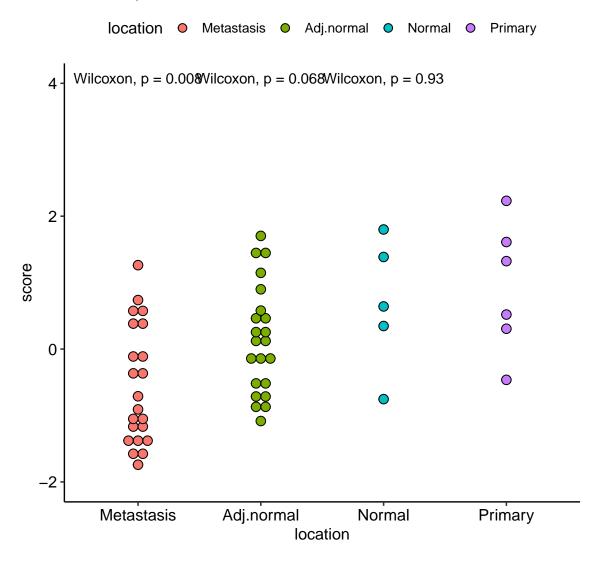


- ## Warning: Removed 2 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 2 rows containing non-finite values (stat\_compare\_means).

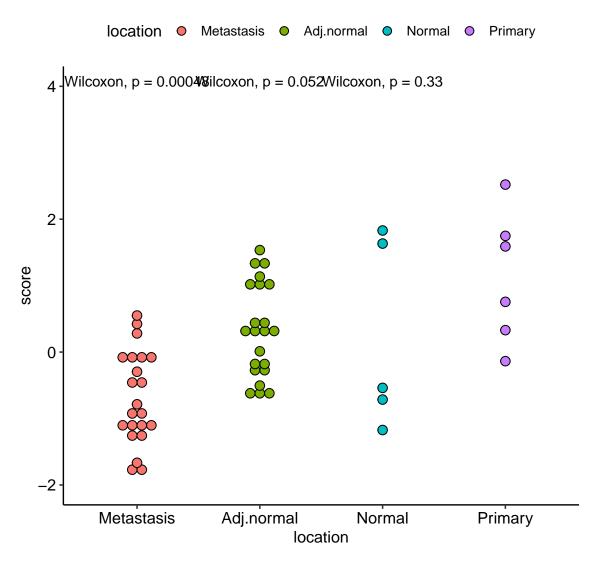
## ICGC.Squamous.Up score



## ICGC.Squamous.Down score

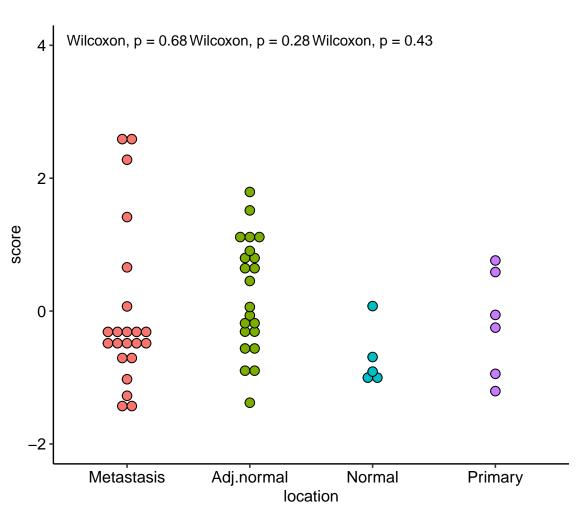


## ICGC.SAM score



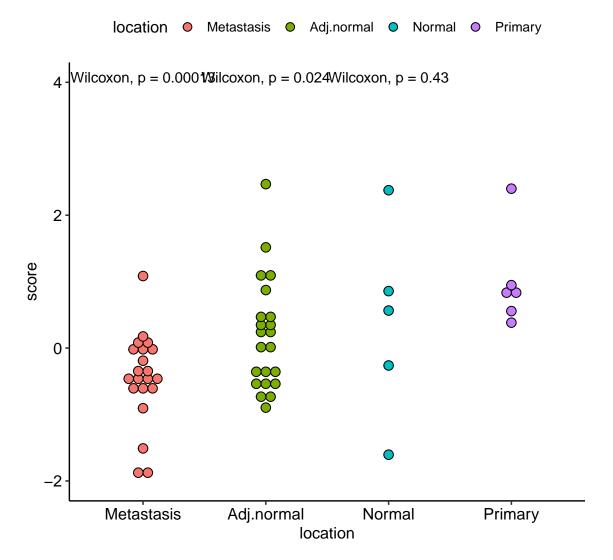
## Scarpa\_PanNET score

location • Metastasis • Adj.normal • Normal • Primary



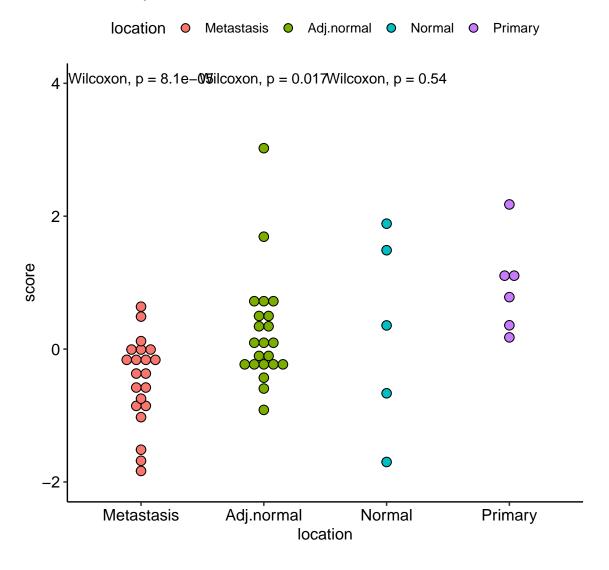
- ## Warning: Removed 1 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

## Moffitt.Top5s score

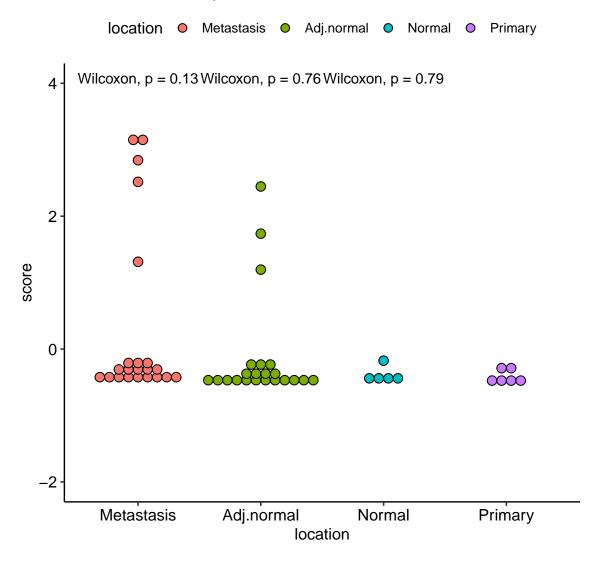


- ## Warning: Removed 1 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

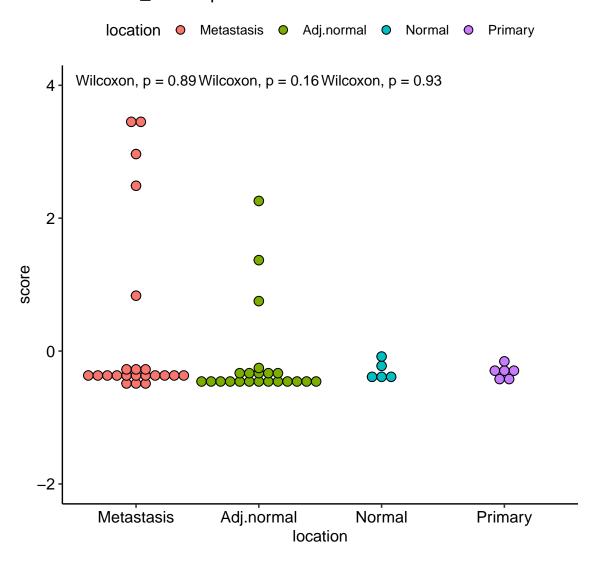
## Moffitt.Top25s score



## Moffitt.F1\_Liver.top25 score



## Moffitt.F1\_Liver.top250 score



## Moffitt.F1\_Liver.top100 score

location • Metastasis • Adj.normal • Normal • Primary

## Warning: Removed 2 rows containing non-finite values (stat\_bindot).

Adj.normal

Normal

Primary

Metastasis

## Warning: Removed 2 rows containing non-finite values (stat\_compare\_means).

location

#### Moffitt.F2.top25 score

Metastasis

location Metastasis Adj.normal Normal Primary

4 - Wilcoxon, p = 0.24 Wilcoxon, p = 0.68 Wilcoxon, p = 0.26

## Warning: Removed 1 rows containing non-finite values (stat\_bindot).

Adj.normal

Normal

Primary

## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

location

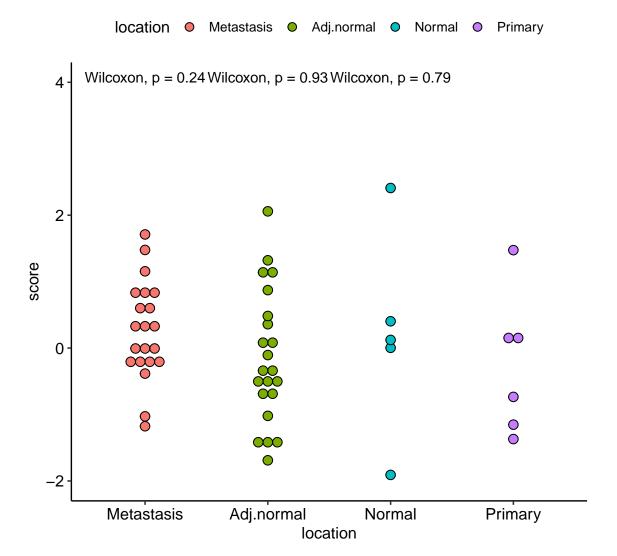
#### Moffitt.F2.top250 score

location Metastasis Adj.normal Normal Primary

4 - Wilcoxon, p = 0.26 Wilcoxon, p = 0.93 Wilcoxon, p = 0.66

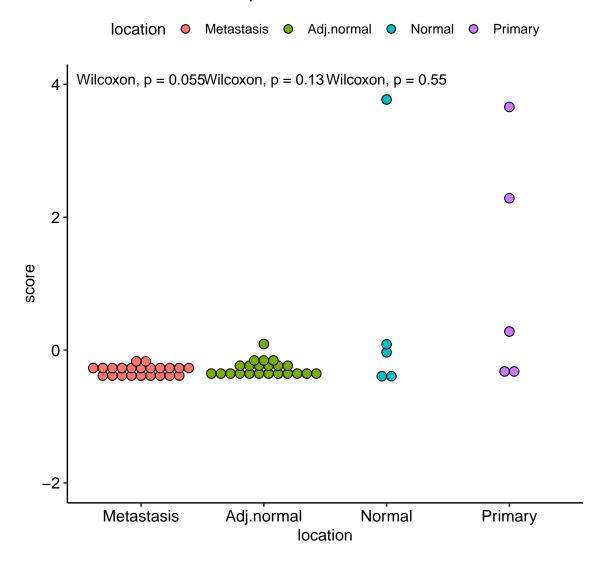
- ## Warning: Removed 1 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

#### Moffitt.F2.top100 score



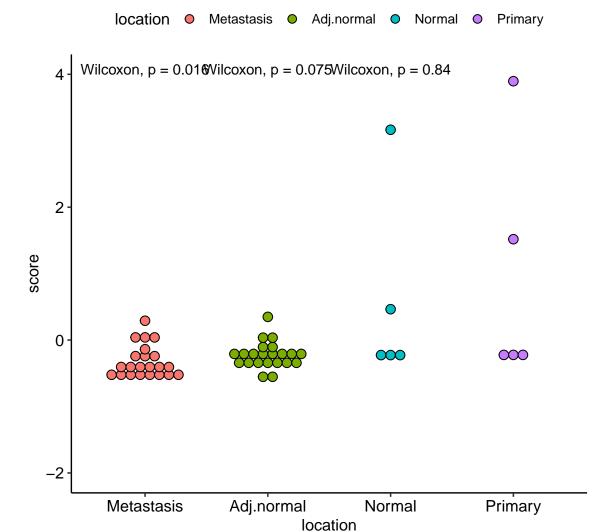
- ## Warning: Removed 1 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

#### Moffitt.F3\_Exocrine.top25 score



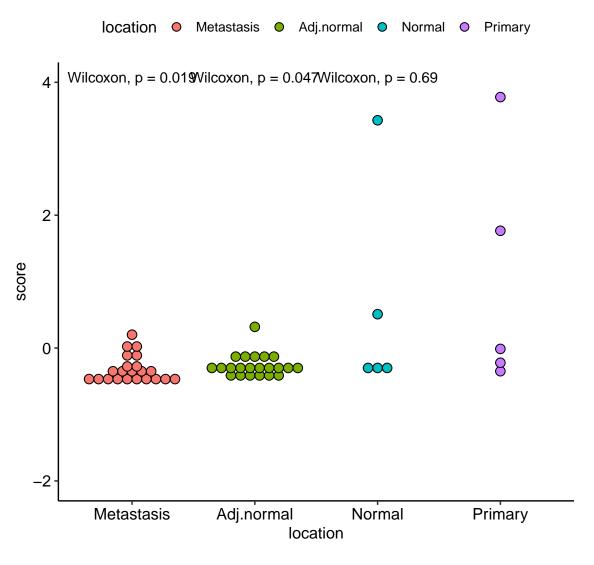
- ## Warning: Removed 1 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

#### Moffitt.F3\_Exocrine.top250 score

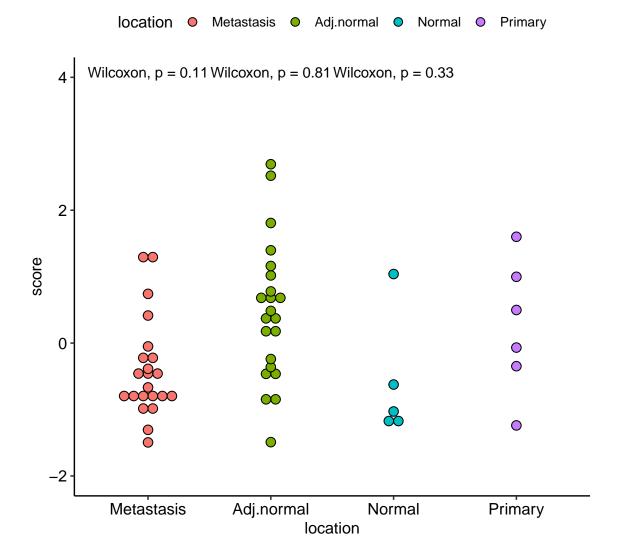


- ## Warning: Removed 1 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

# Moffitt.F3\_Exocrine.top100 score



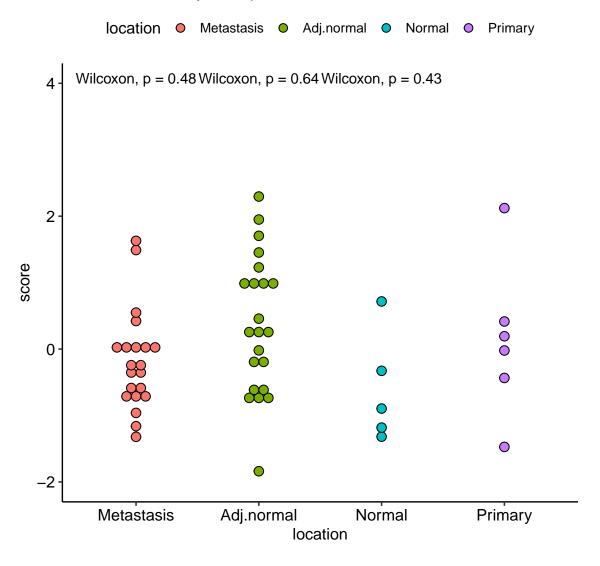
### Moffitt.F4\_CellCycle.top25 score



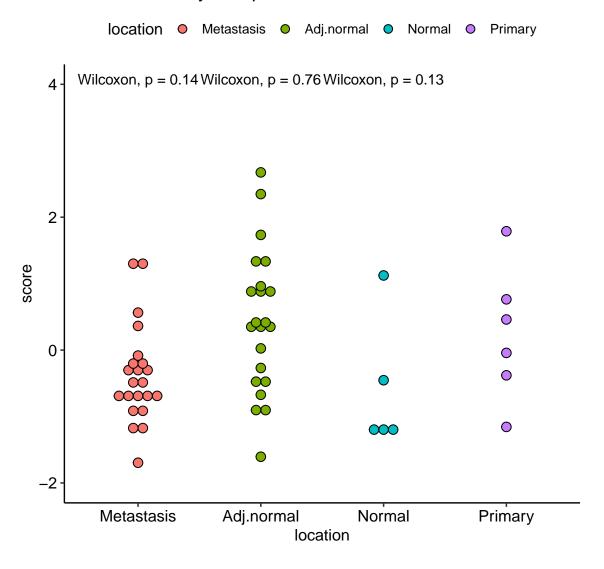
```
## Warning: Removed 1 rows containing non-finite values (stat_bindot).
```

<sup>##</sup> Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

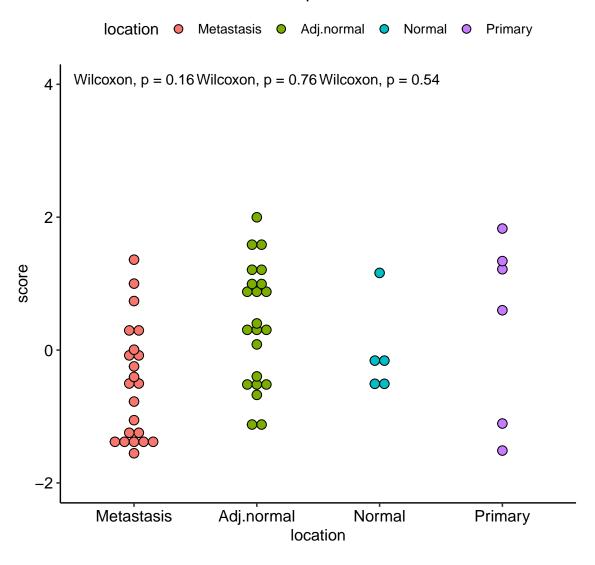
# Moffitt.F4\_CellCycle.top250 score



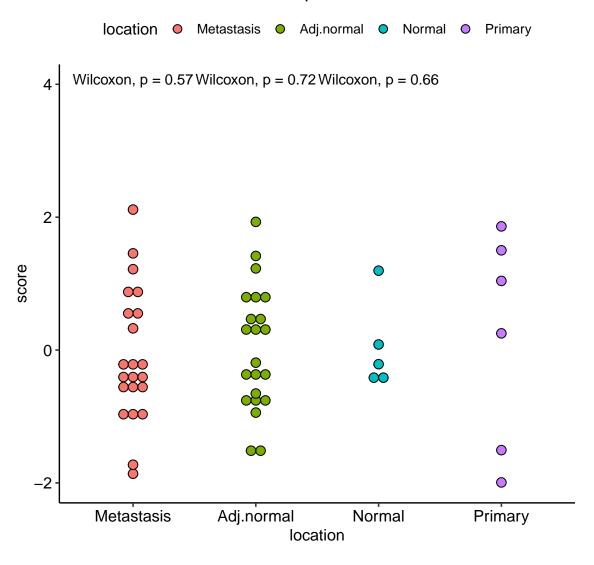
# Moffitt.F4\_CellCycle.top100 score



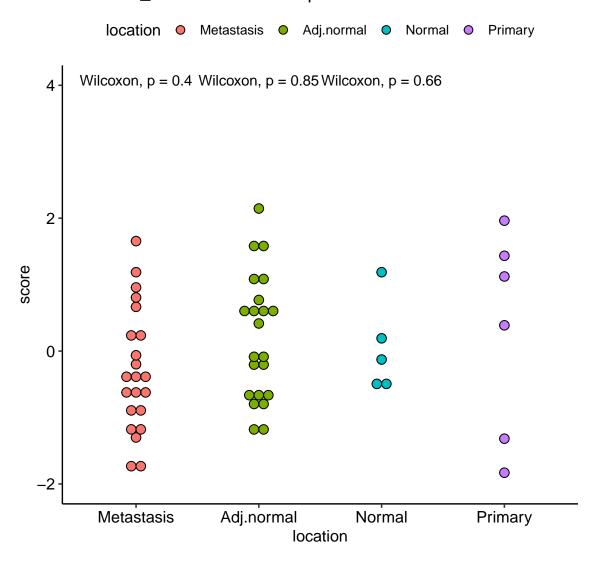
# Moffitt.F5\_ActivatedStroma.top25 score



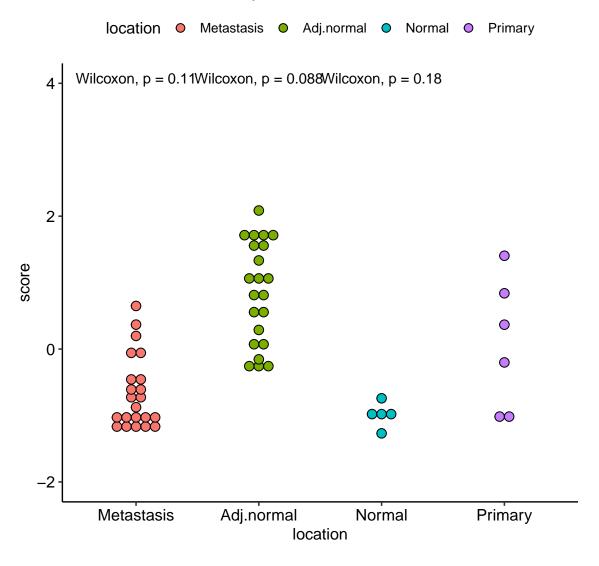
# Moffitt.F5\_ActivatedStroma.top250 score



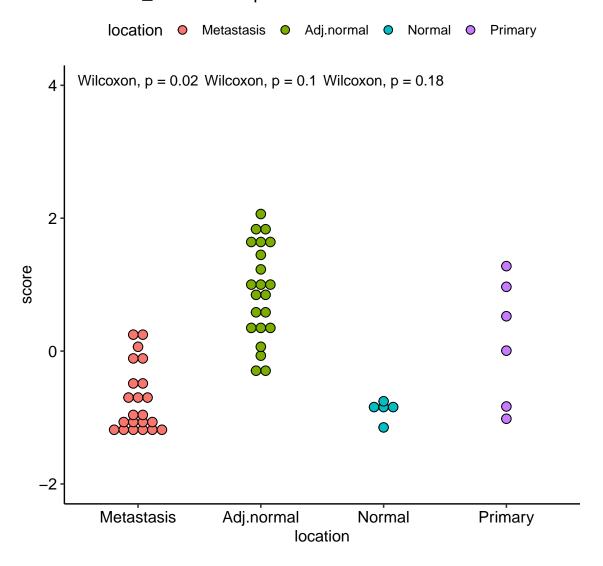
# Moffitt.F5\_ActivatedStroma.top100 score



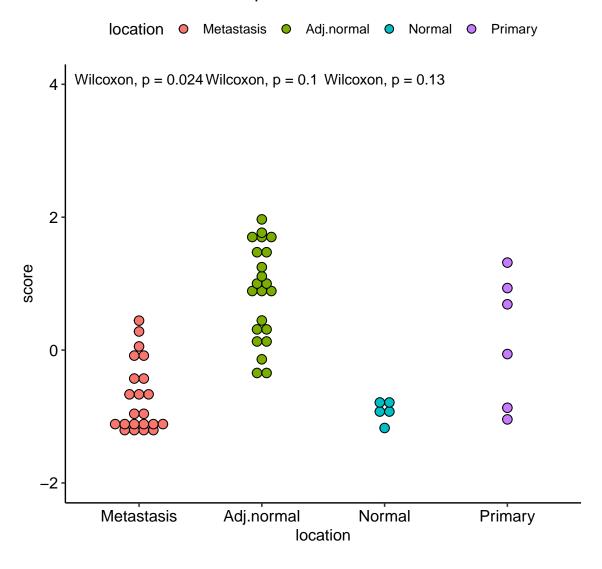
# Moffitt.F6\_BasalLike.top25 score



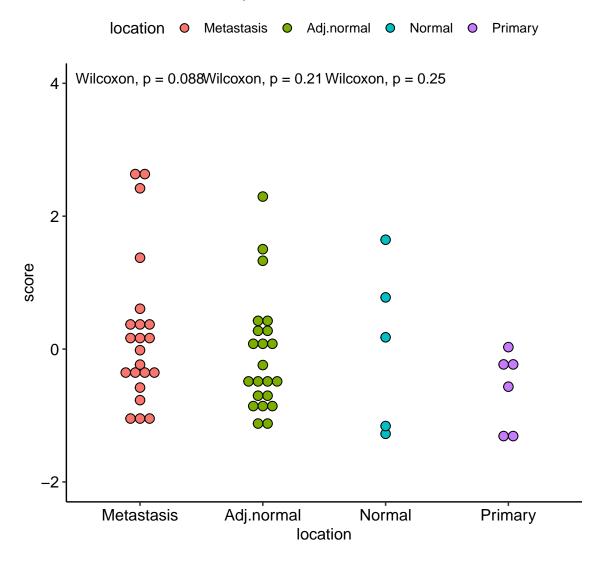
# Moffitt.F6\_BasalLike.top250 score



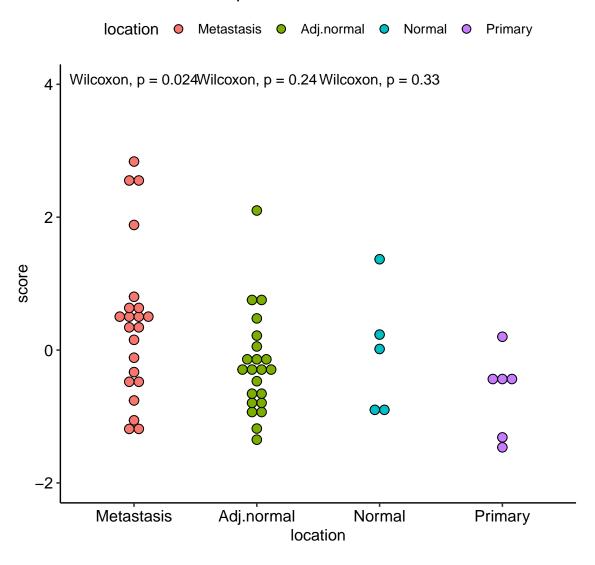
# Moffitt.F6\_BasalLike.top100 score



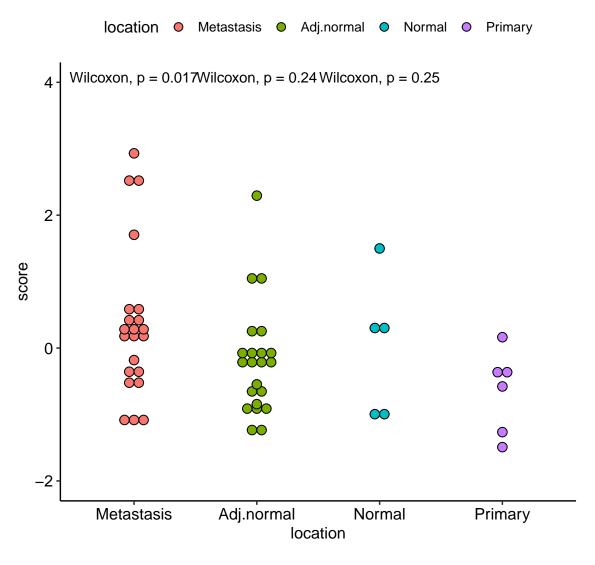
# Moffitt.F7\_Immune.top25 score



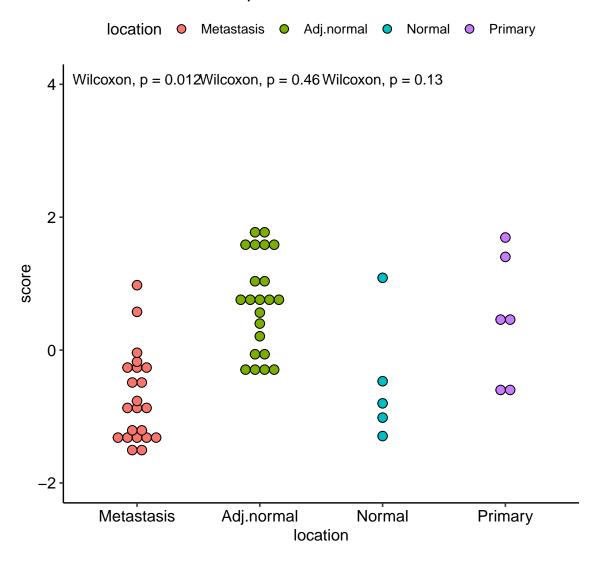
# Moffitt.F7\_Immune.top250 score



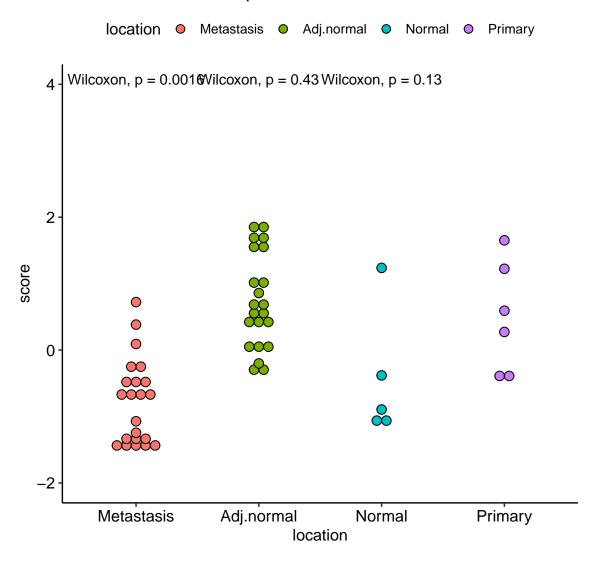
# Moffitt.F7\_Immune.top100 score



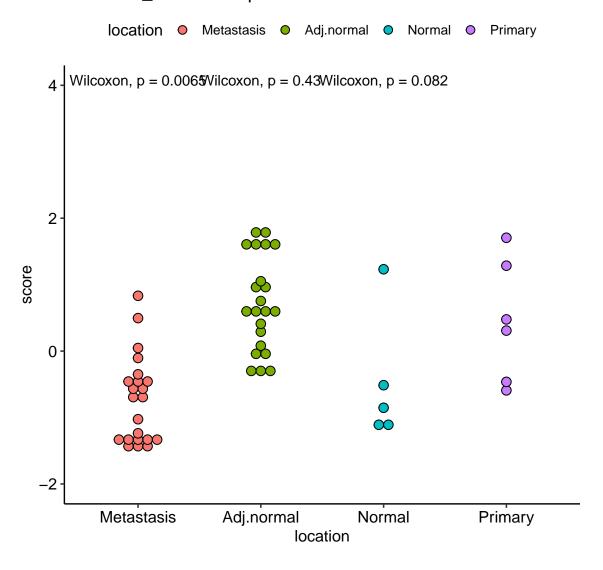
# Moffitt.F8\_Classical.top25 score



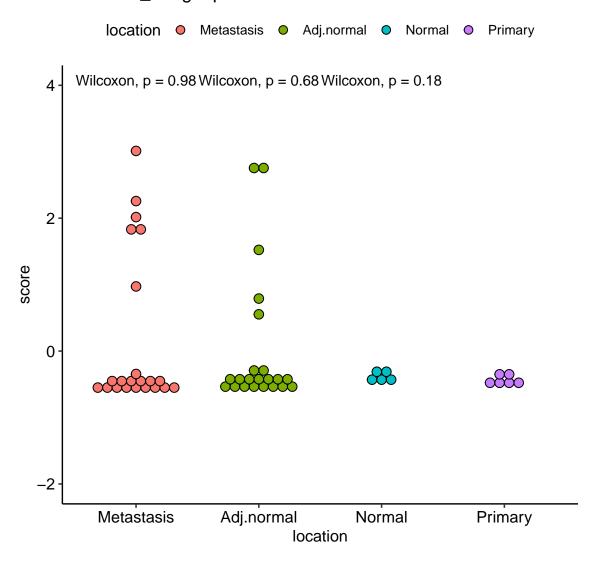
# Moffitt.F8\_Classical.top250 score



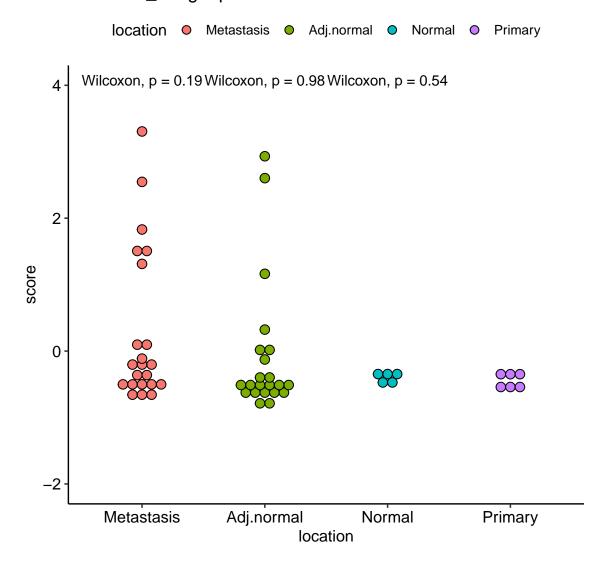
# Moffitt.F8\_Classical.top100 score



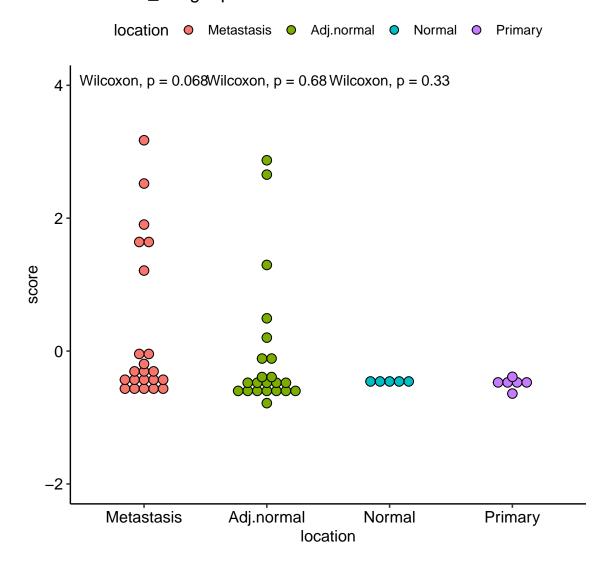
# Moffitt.F9\_Lung.top25 score



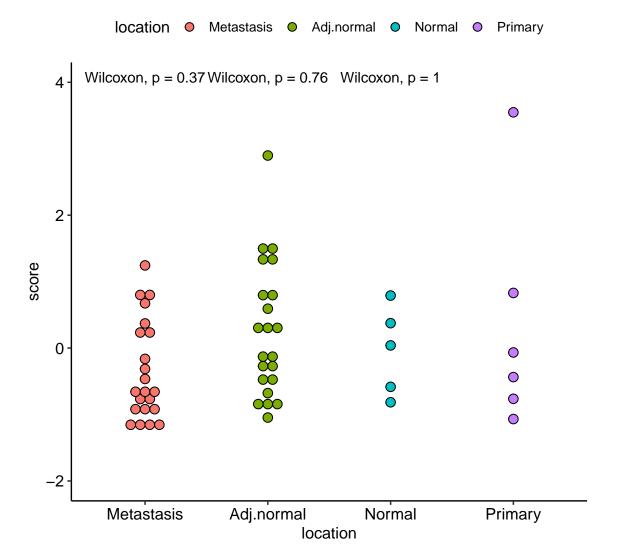
# Moffitt.F9\_Lung.top250 score



# Moffitt.F9\_Lung.top100 score

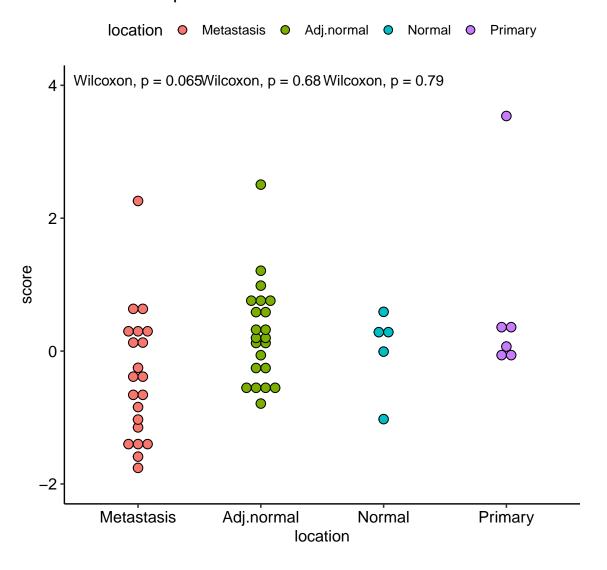


### Moffitt.F10.top25 score

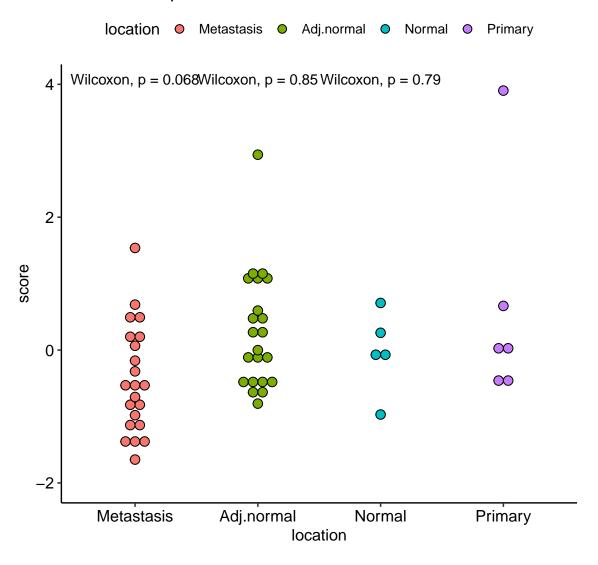


- ## Warning: Removed 1 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

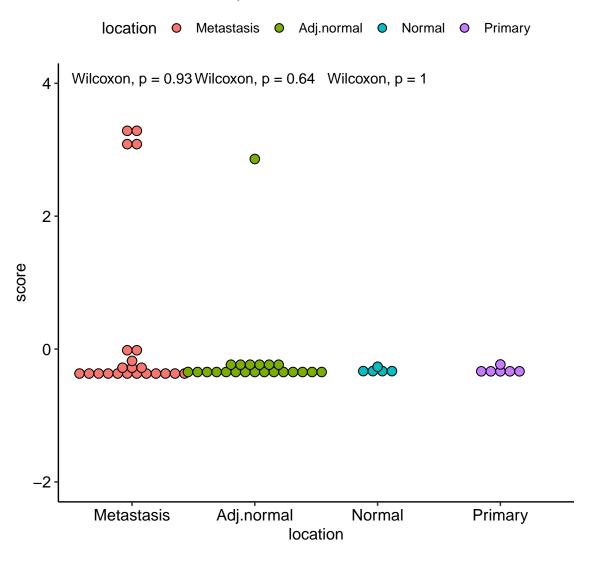
# Moffitt.F10.top250 score



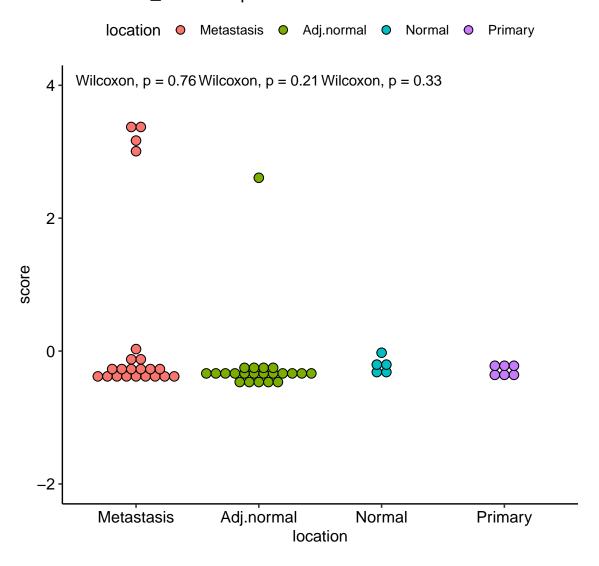
# Moffitt.F10.top100 score



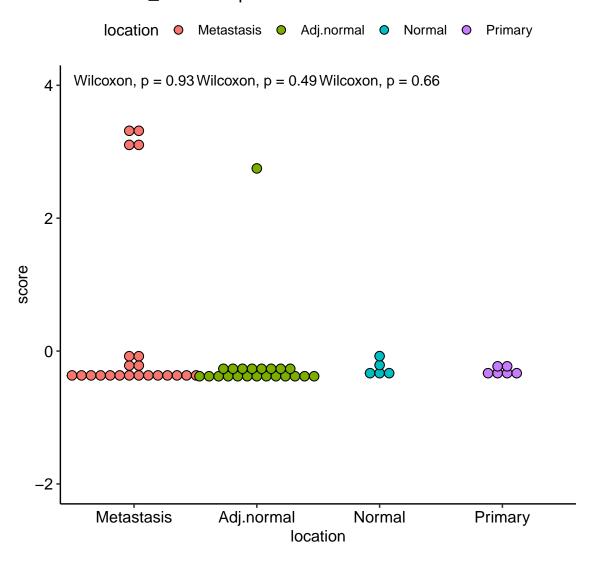
# Moffitt.F11\_Muscle.top25 score



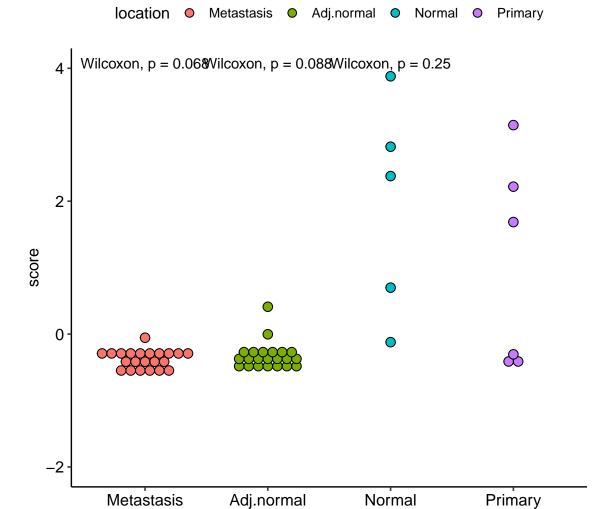
# Moffitt.F11\_Muscle.top250 score



# Moffitt.F11\_Muscle.top100 score



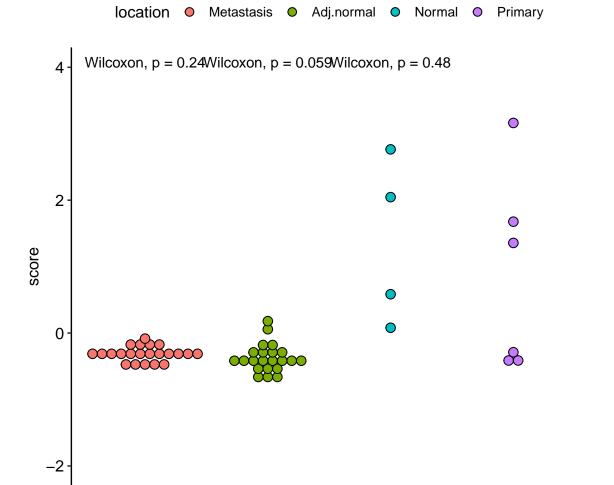
# Moffitt.F12\_Endocrine.top25 score



- ## Warning: Removed 1 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

location

# Moffitt.F12\_Endocrine.top250 score



## Warning: Removed 1 rows containing non-finite values (stat\_bindot).

Adj.normal

Normal

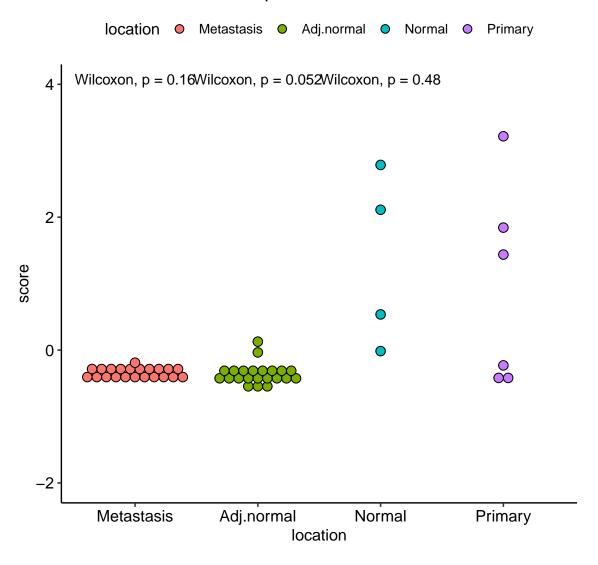
Primary

Metastasis

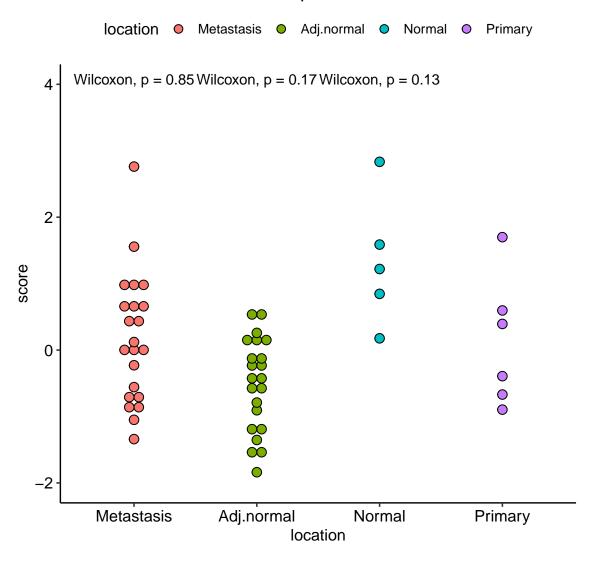
## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

location

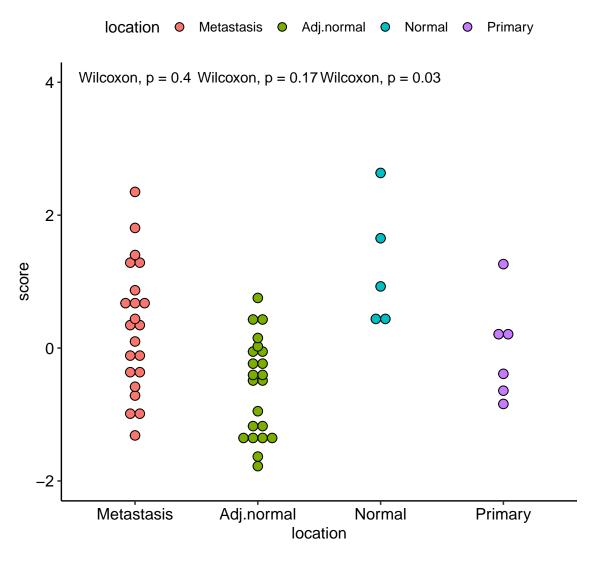
# Moffitt.F12\_Endocrine.top100 score



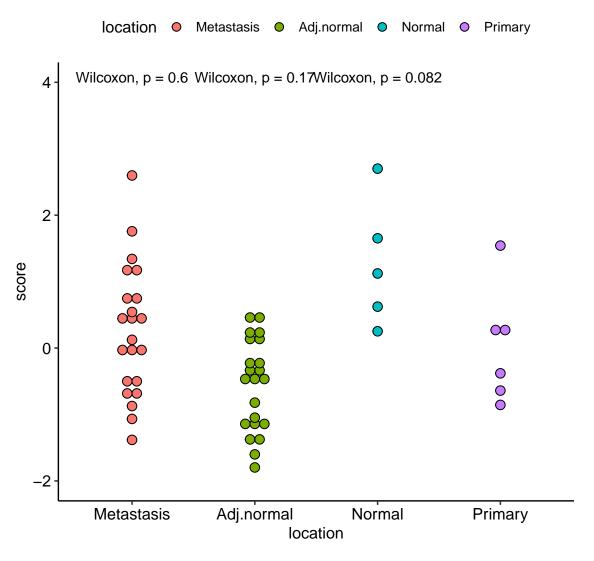
# Moffitt.F13\_NormalStroma.top25 score



# Moffitt.F13\_NormalStroma.top250 score



# Moffitt.F13\_NormalStroma.top100 score



### Moffitt.F14.top25 score

Metastasis

location Metastasis Adj.normal Normal Primary

4. Wilcoxon, p = 0.89 Wilcoxon, p = 0.72 Wilcoxon, p = 0.66

## Warning: Removed 1 rows containing non-finite values (stat\_bindot).

Adj.normal

## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

location

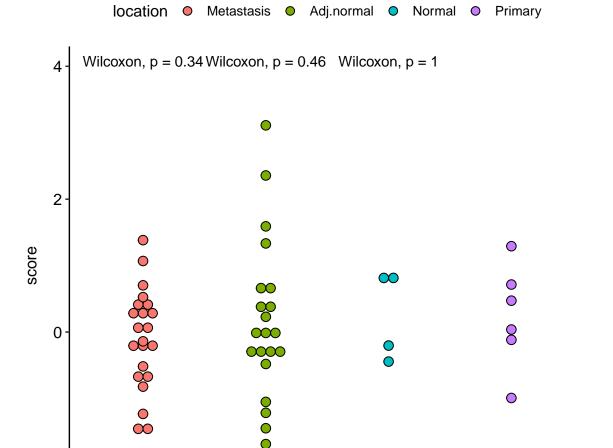
Primary

Normal

### Moffitt.F14.top250 score

-2

Metastasis



## Warning: Removed 1 rows containing non-finite values (stat\_bindot).

Adj.normal

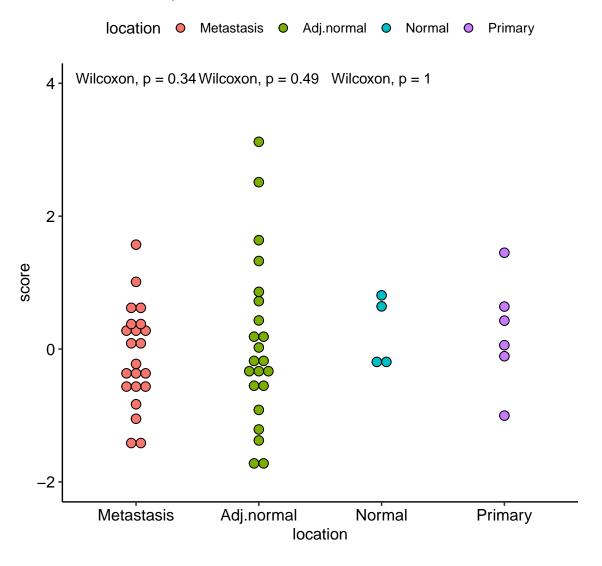
Normal

Primary

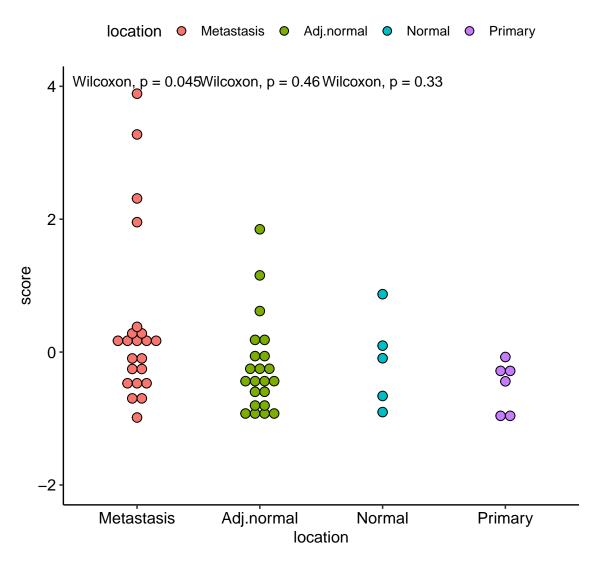
## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

location

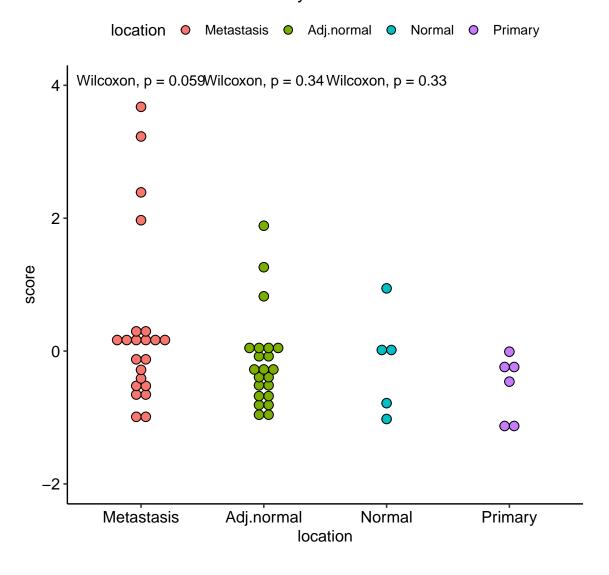
# Moffitt.F14.top100 score



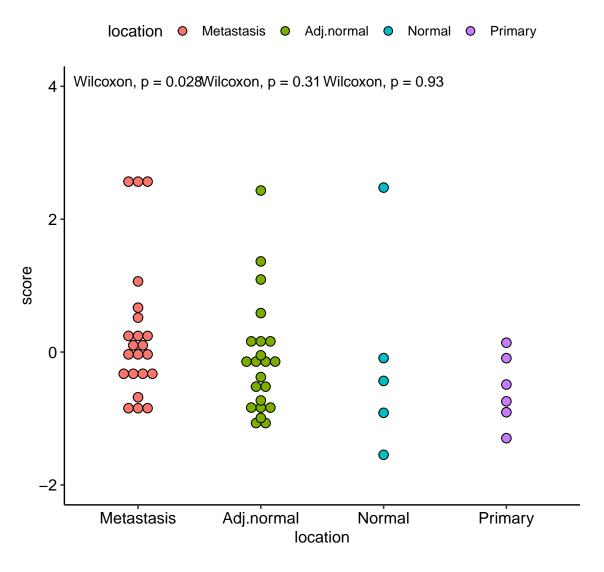
### CIBERSORT.B.cells.naive score



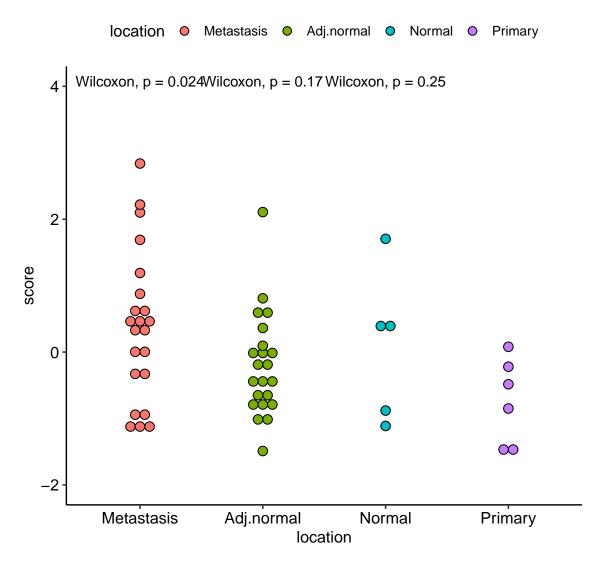
# CIBERSORT.B.cells.memory score



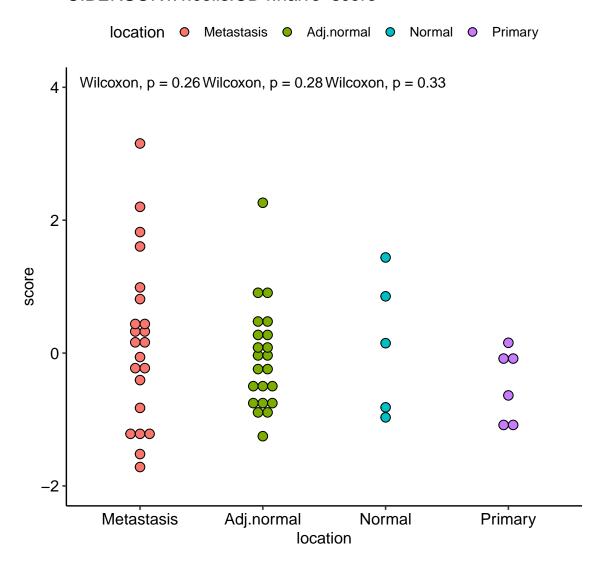
#### CIBERSORT.Plasma.cells score



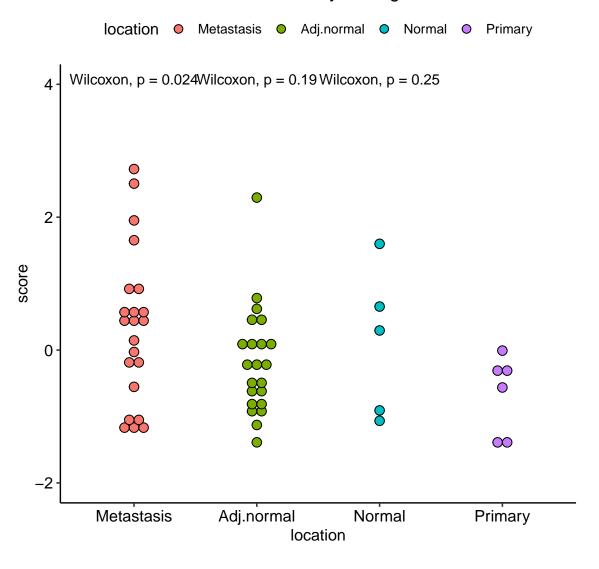
### CIBERSORT.T.cells.CD8 score



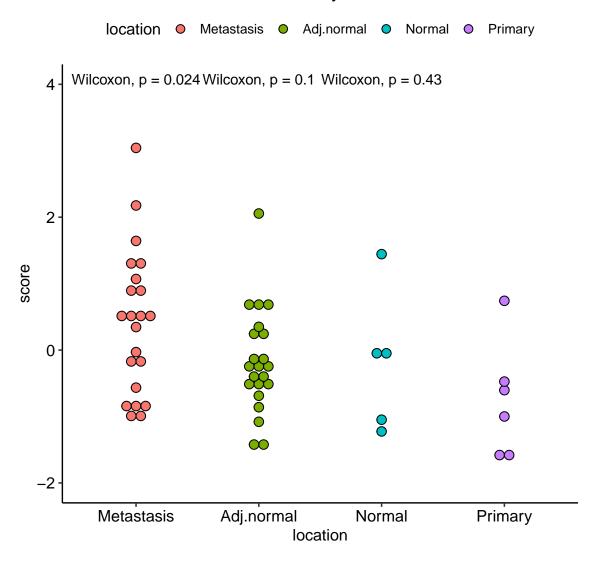
#### CIBERSORT.T.cells.CD4.naive score



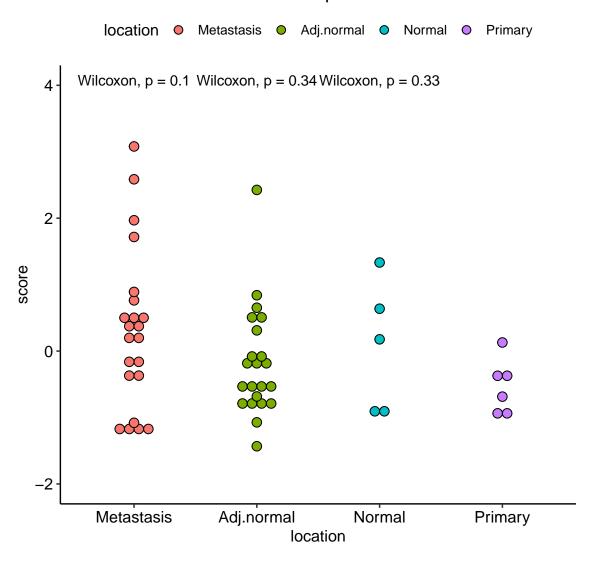
## CIBERSORT.T.cells.CD4.memory.resting score



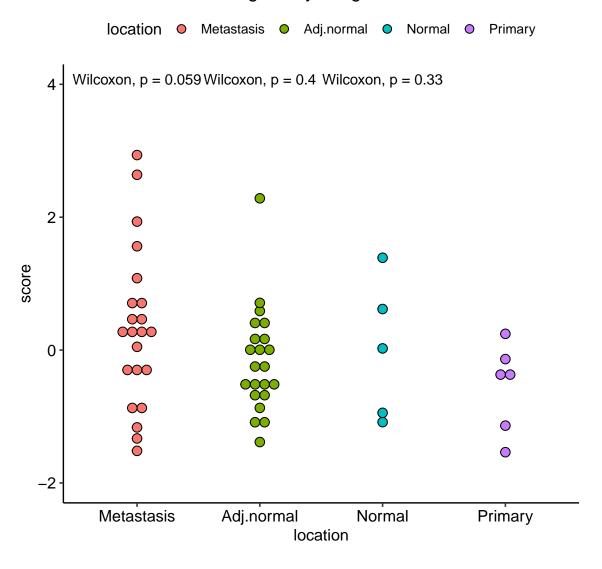
## CIBERSORT.T.cells.CD4.memory.activated score



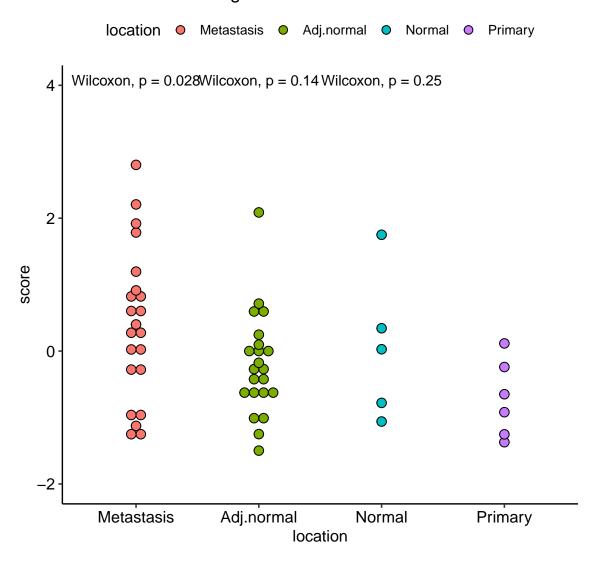
## CIBERSORT.T.cells.follicular.helper score



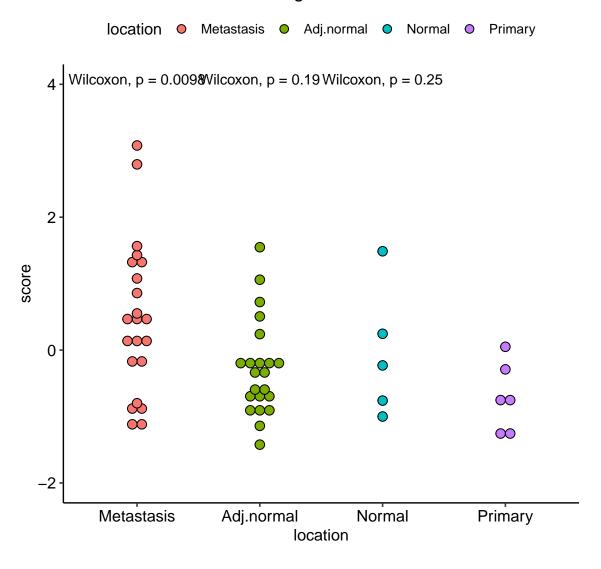
# CIBERSORT.T.cells.regulatory..Tregs. score



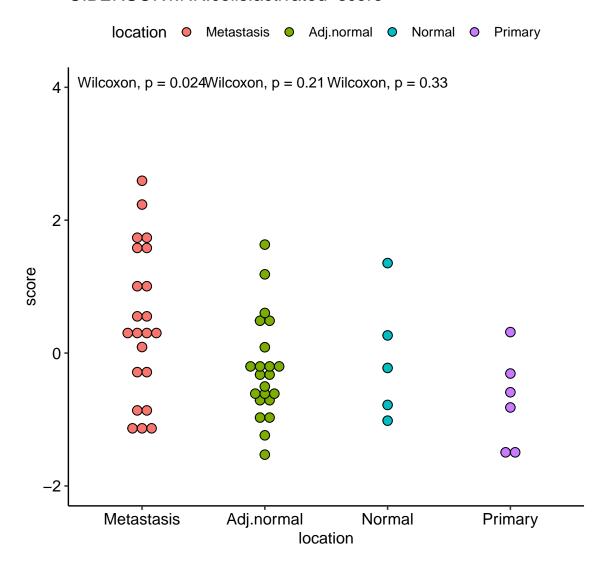
# CIBERSORT.T.cells.gamma.delta score



## CIBERSORT.NK.cells.resting score



#### CIBERSORT.NK.cells.activated score



### CIBERSORT.Monocytes score

location Metastasis Adj.normal Normal Primary

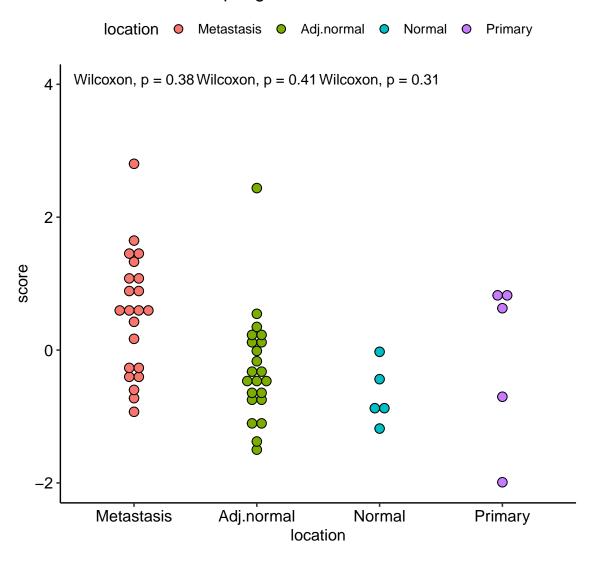
4 Wilcoxon, p = 0.008Wilcoxon, p = 0.68 Wilcoxon, p = 0.79

```
## Warning: Removed 1 rows containing non-finite values (stat_bindot).
```

## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

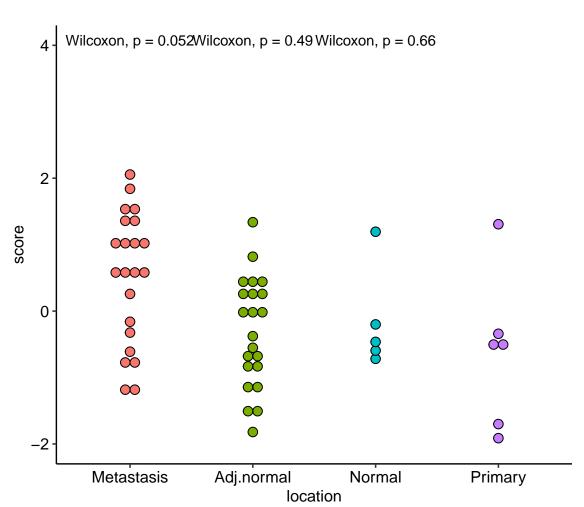
location

## CIBERSORT.Macrophages.M0 score



## CIBERSORT.Macrophages.M1 score

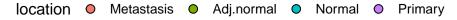


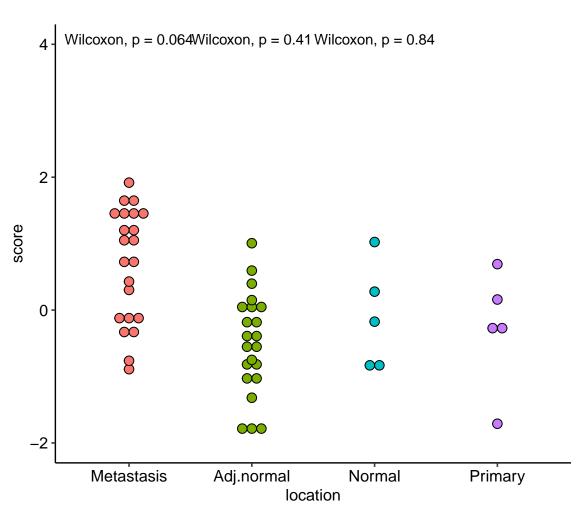


```
## Warning: Removed 1 rows containing non-finite values (stat_bindot).
```

<sup>##</sup> Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

### CIBERSORT.Macrophages.M2 score





```
## Warning: Removed 1 rows containing non-finite values (stat_bindot).
```

## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

## CIBERSORT.Dendritic.cells.resting score

location Metastasis Adj.normal Normal Primary

4 - Wilcoxon, p = 0.38 Wilcoxon, p = 0.34 Wilcoxon, p = 0.31

```
## Warning: Removed 1 rows containing non-finite values (stat_bindot).
```

Adj.normal

Normal

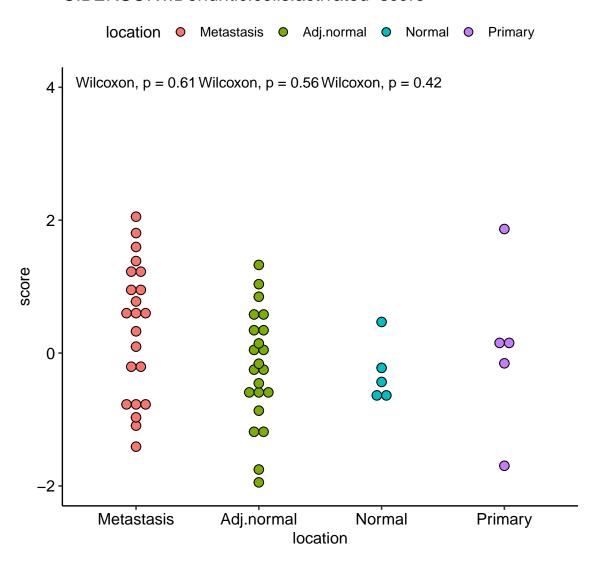
Primary

Metastasis

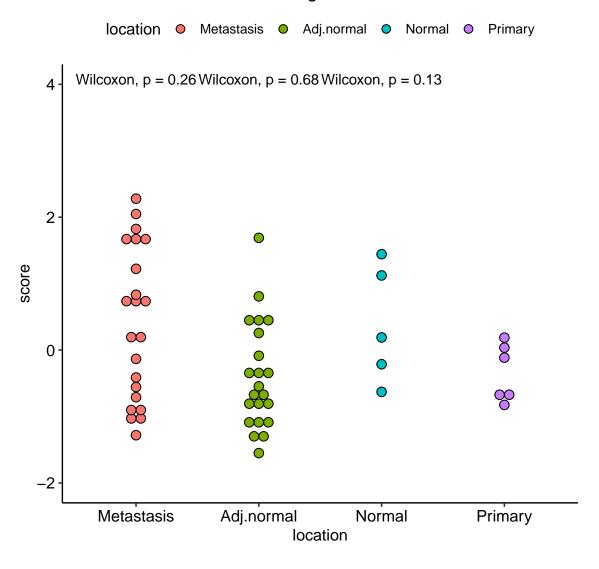
## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

location

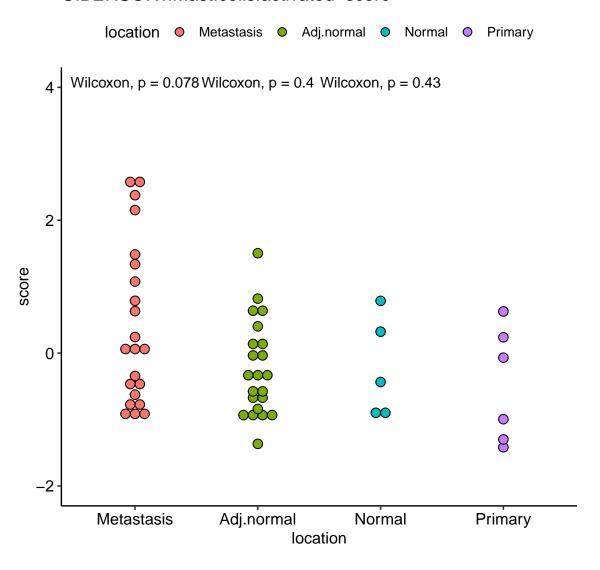
### CIBERSORT.Dendritic.cells.activated score



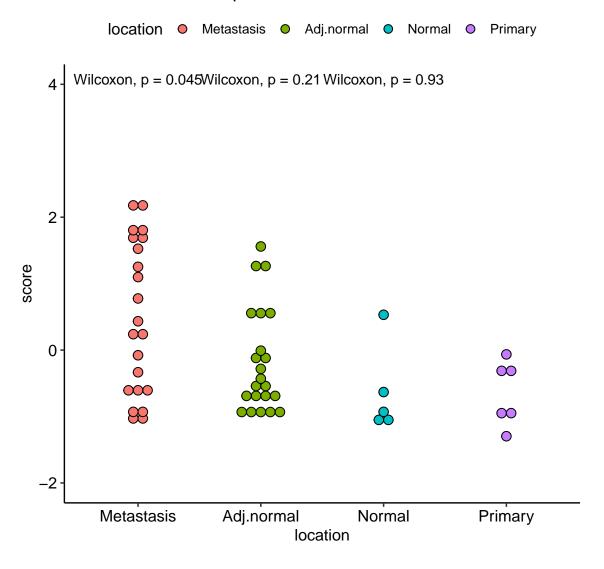
## CIBERSORT.Mast.cells.resting score



#### CIBERSORT.Mast.cells.activated score

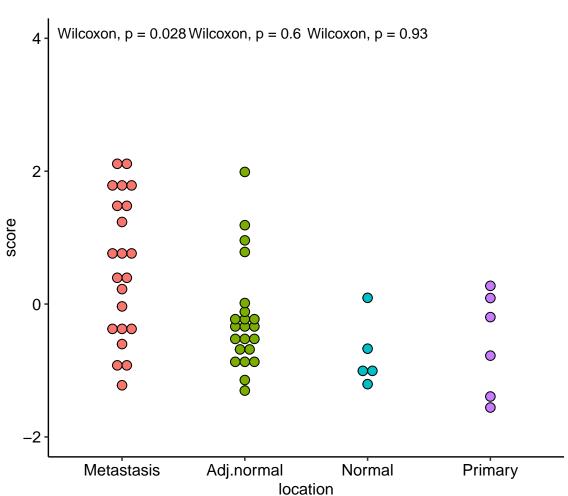


# CIBERSORT. Eosinophils score



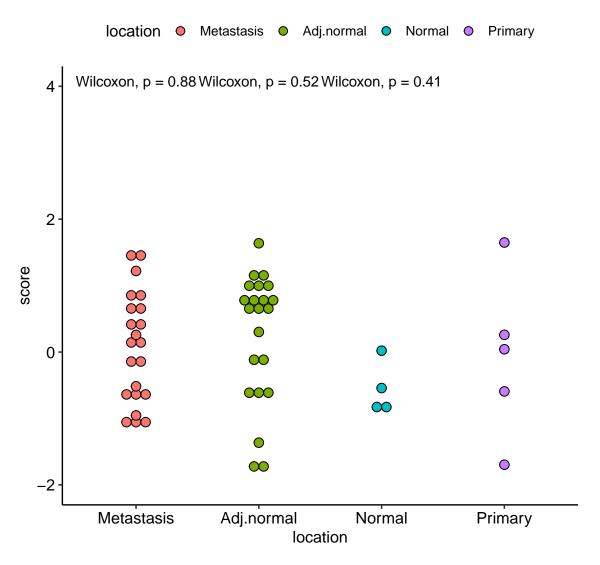
## CIBERSORT.Neutrophils score

location • Metastasis • Adj.normal • Normal • Primary

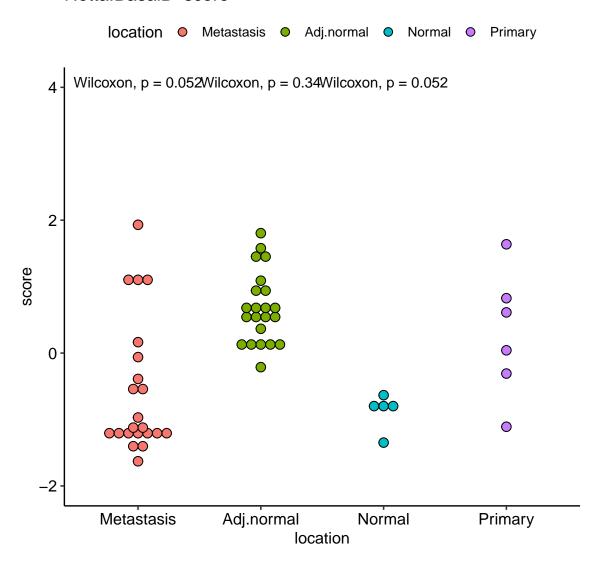


- ## Warning: Removed 2 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 2 rows containing non-finite values (stat\_compare\_means).

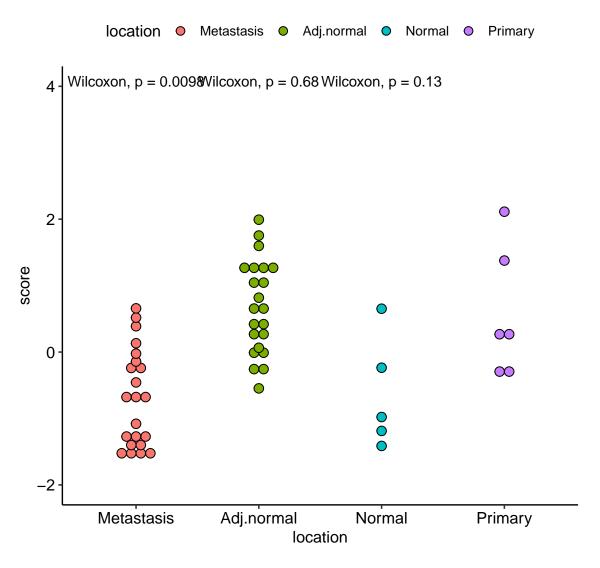
### Notta.BasalA score



### Notta.BasalB score

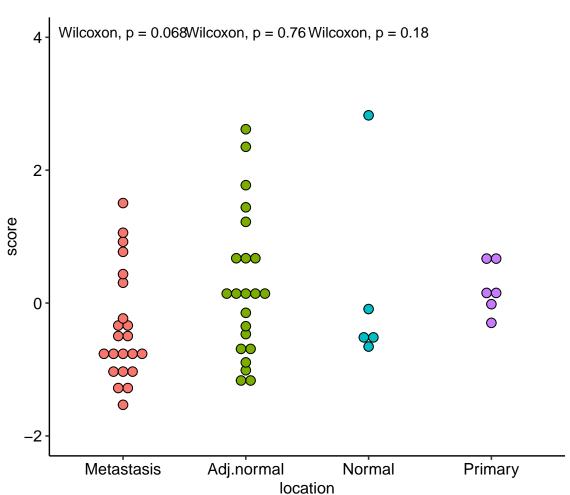


## Notta.ClassicalA score



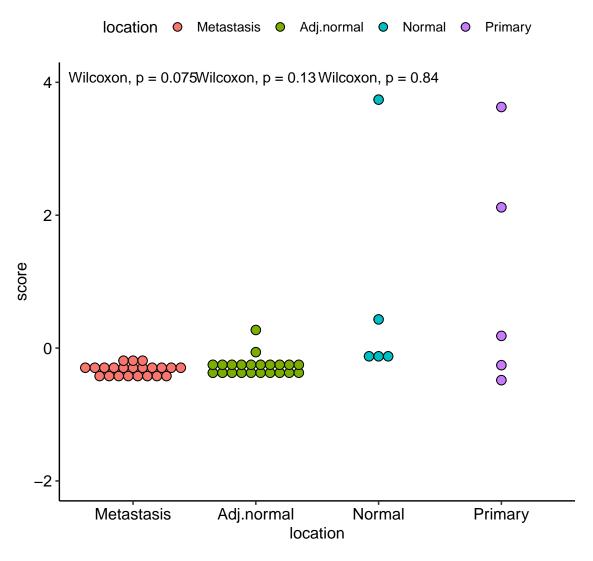
#### Notta.ClassicalB score

location • Metastasis • Adj.normal • Normal • Primary

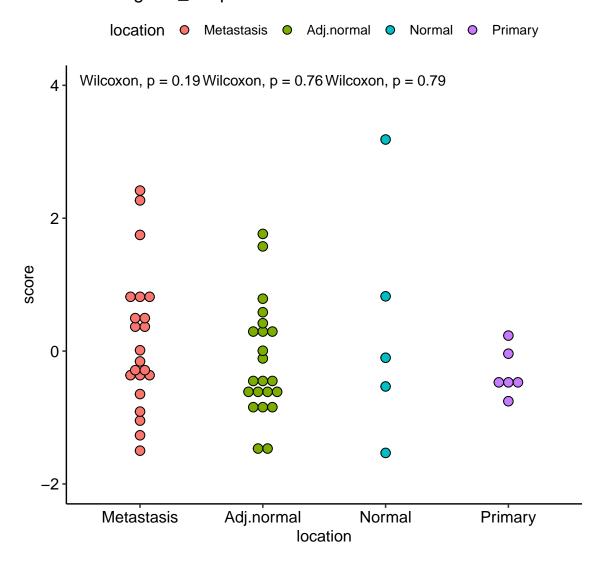


- ## Warning: Removed 1 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

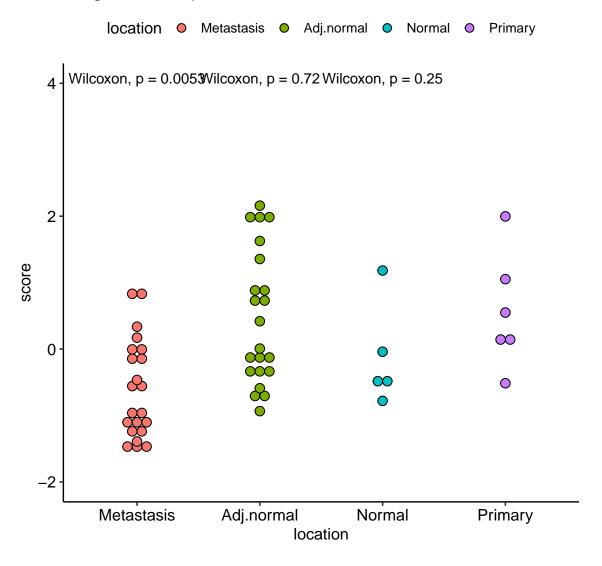
# ADEX\_unique score



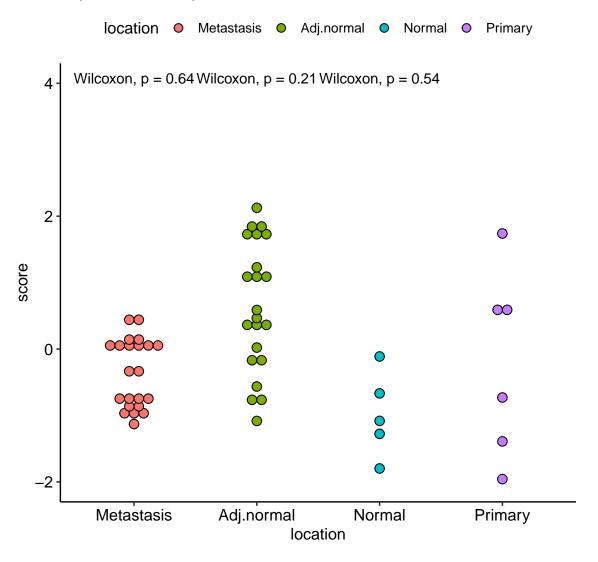
## Immunogenic\_unique score



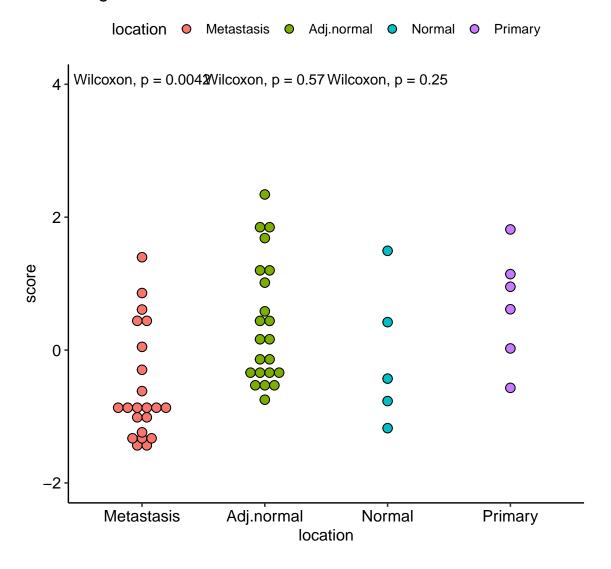
# Progenitor\_unique score



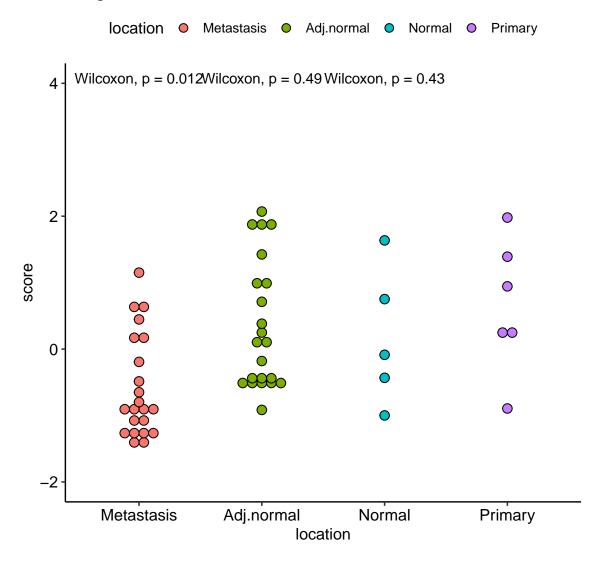
# Squamous\_unique score



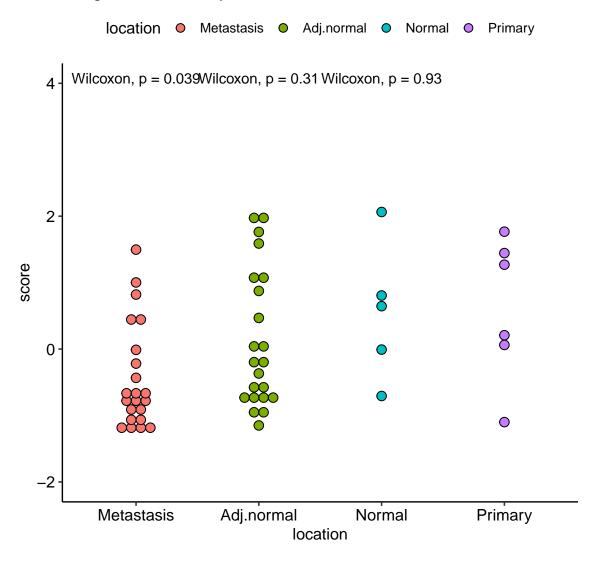
# molgrad\_PDX score



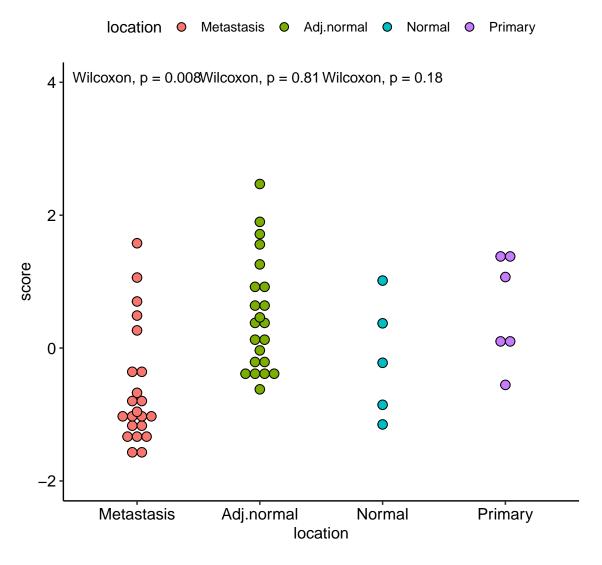
## molgrad\_Puleo score



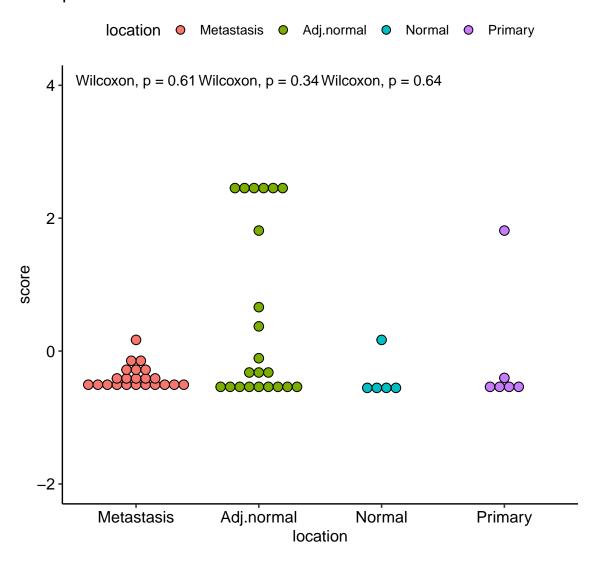
## molgrad\_ICGCarray score



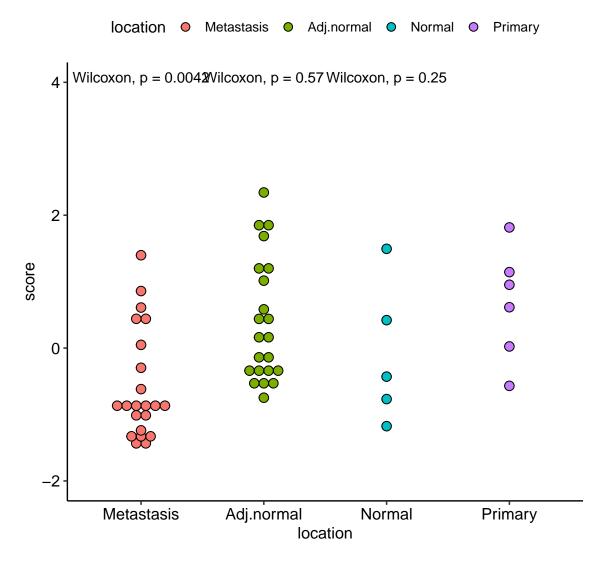
## molgrad\_ICGCrnaseq score



# purIST score

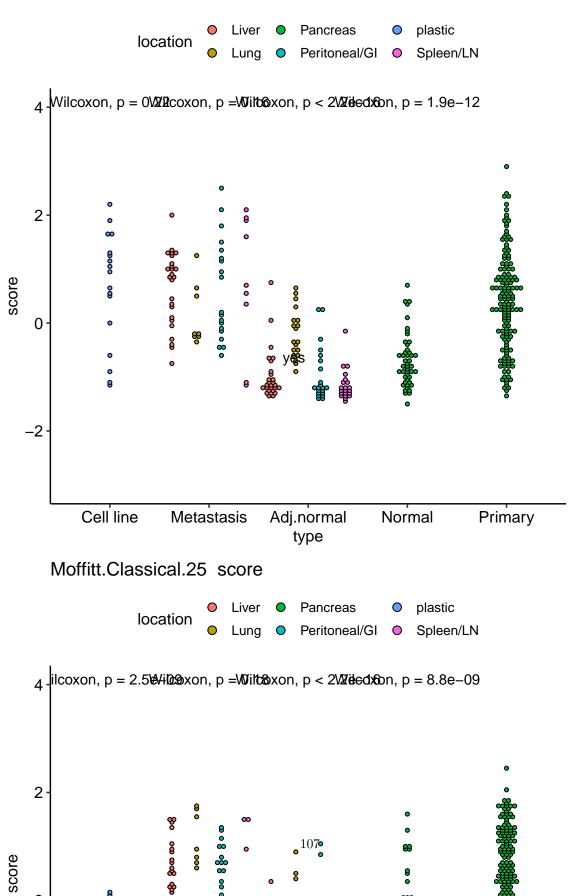


## molgrad\_scaled score

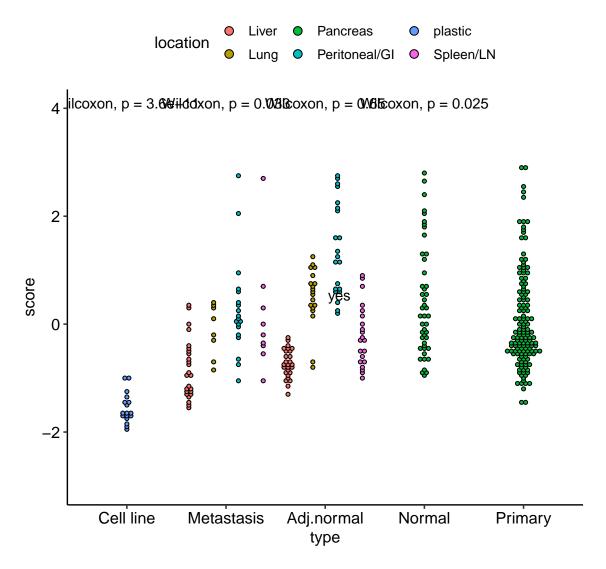


#### Simplified patient matched sample plots, all samples

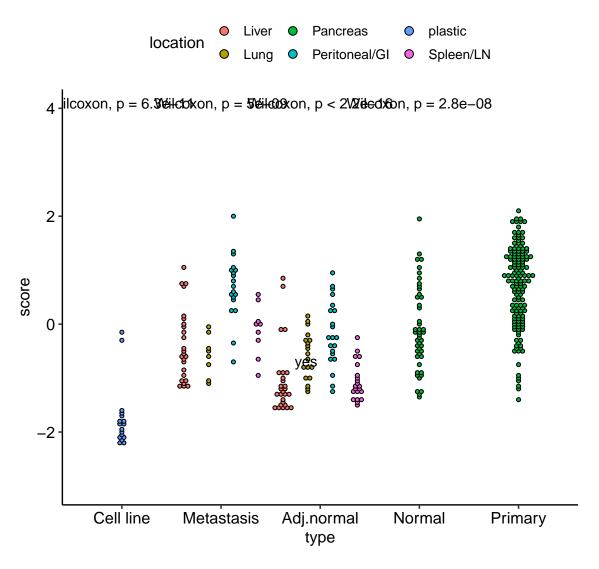
### Moffitt.Basal.25 score



### Moffitt.Normal.25 score

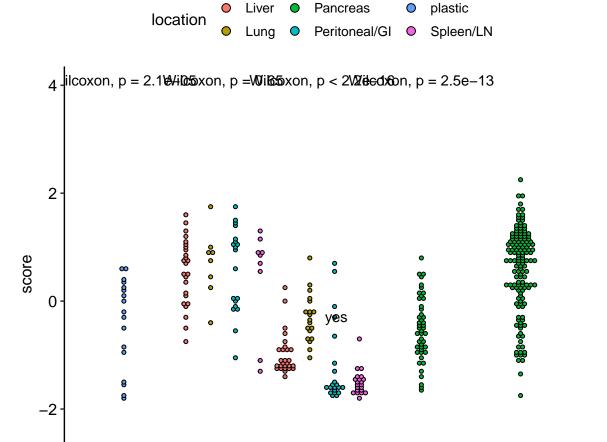


#### Moffitt.Activated.25 score



#### Moffitt.Tumor score

Cell line



## Warning: Removed 2 rows containing non-finite values (stat\_bindot).

Metastasis

## Warning: Removed 2 rows containing non-finite values (stat\_compare\_means).

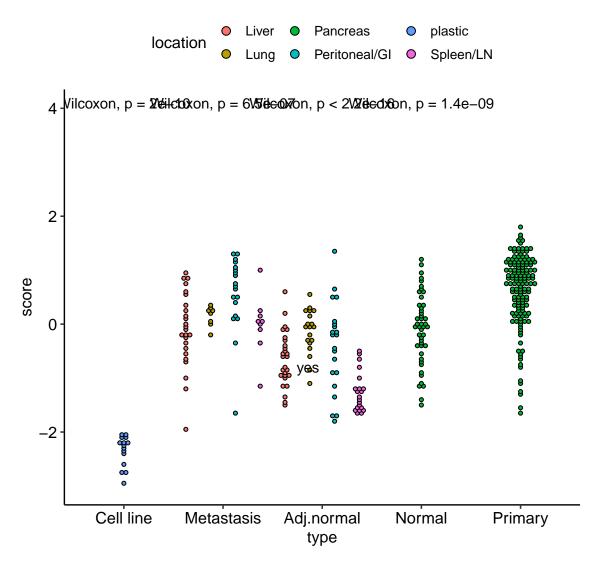
Adj.normal

type

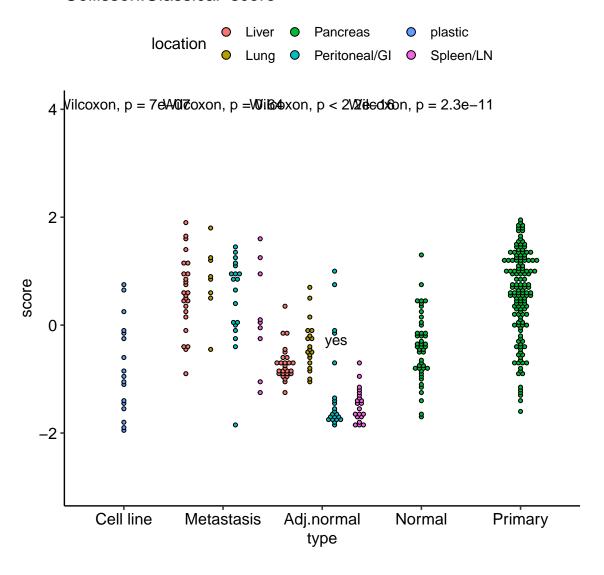
Normal

Primary

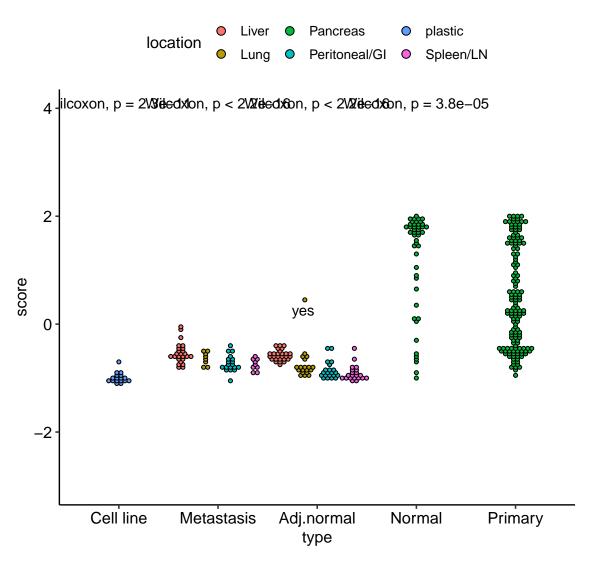
#### Puleo.Centroids score



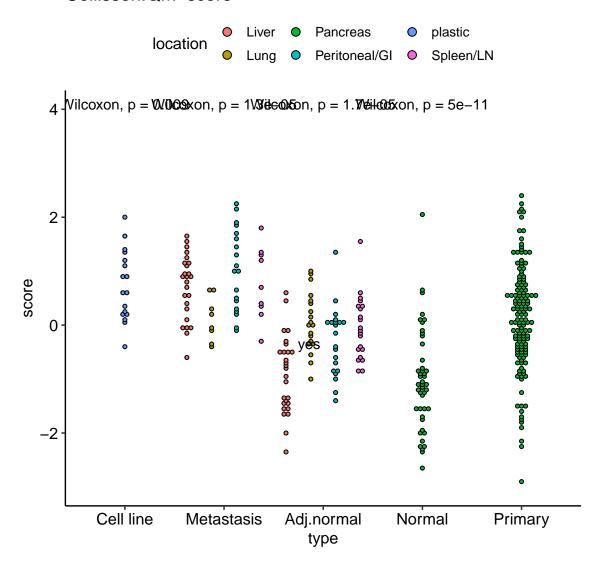
## Collisson.Classical score



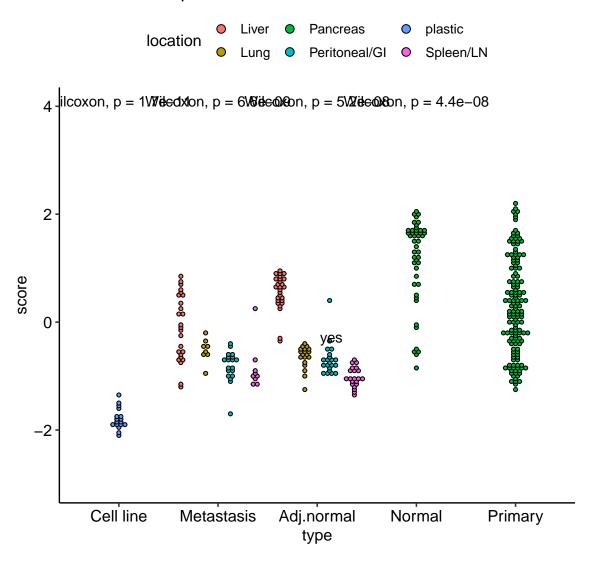
#### Collisson. Exocrine score



## Collisson.QM score

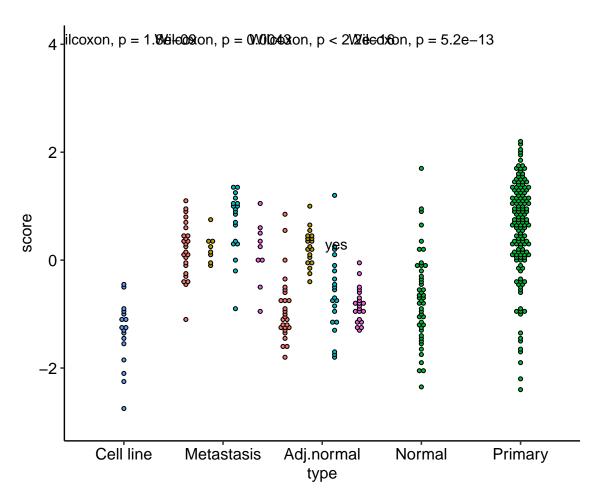


# ICGC.ADEX.Up score



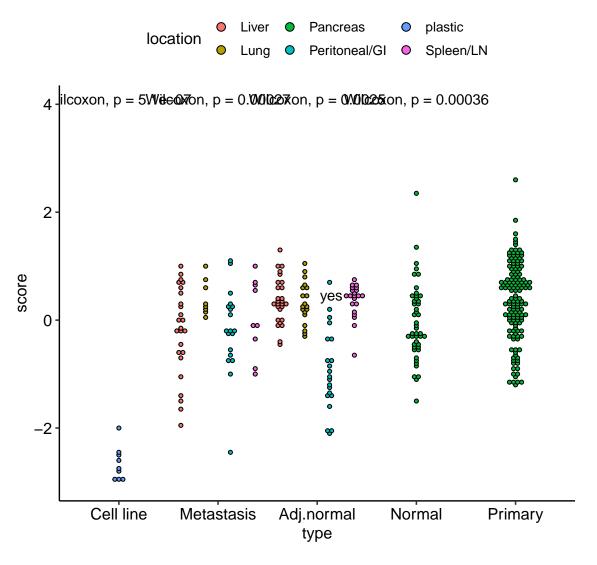
#### ICGC.ADEX.Down score



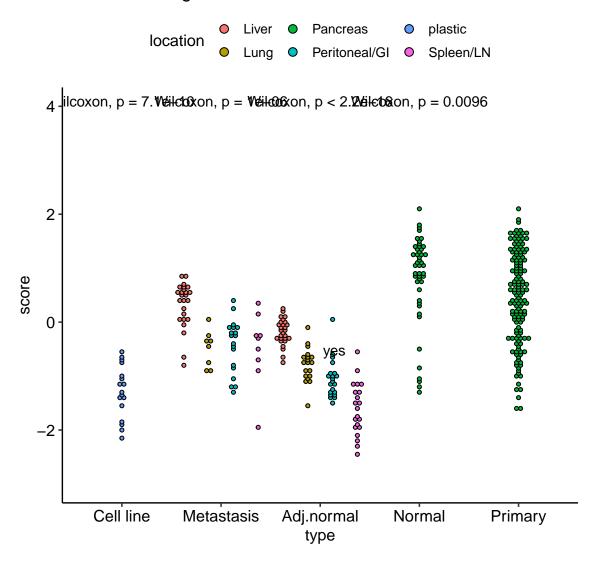


- ## Warning: Removed 8 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 8 rows containing non-finite values (stat\_compare\_means).

# ICGC.Immunogenic.Up score



# ICGC.Immunogenic.Down score



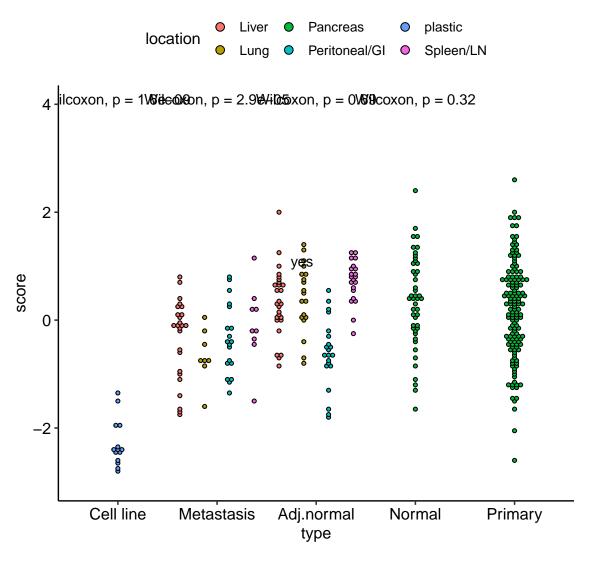
## ICGC.Progenitor.Up score



```
## Warning: Removed 3 rows containing non-finite values (stat_bindot).
```

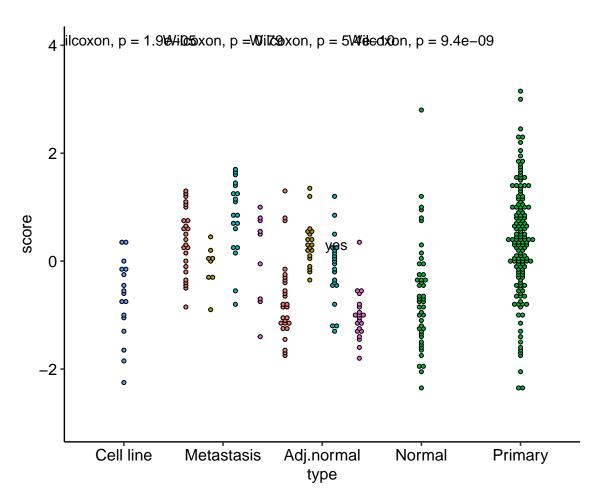
## Warning: Removed 3 rows containing non-finite values (stat\_compare\_means).

## ICGC.Progenitor.Down score



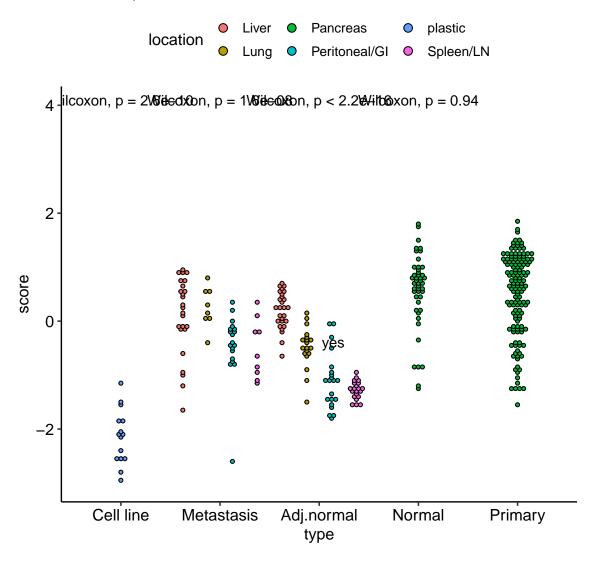
## ICGC.Squamous.Up score



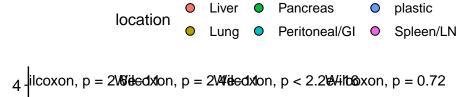


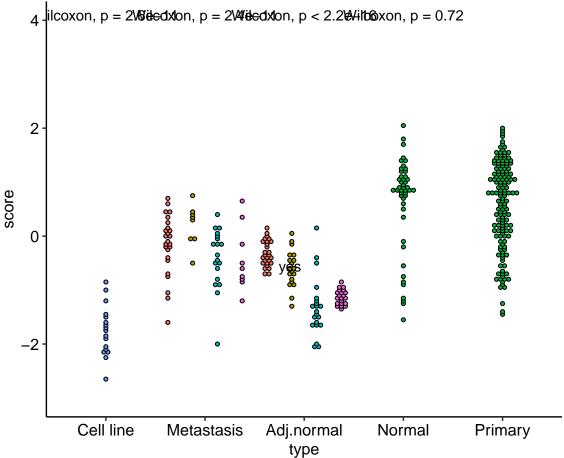
- ## Warning: Removed 2 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 2 rows containing non-finite values (stat\_compare\_means).

## ICGC.Squamous.Down score



## ICGC.SAM score



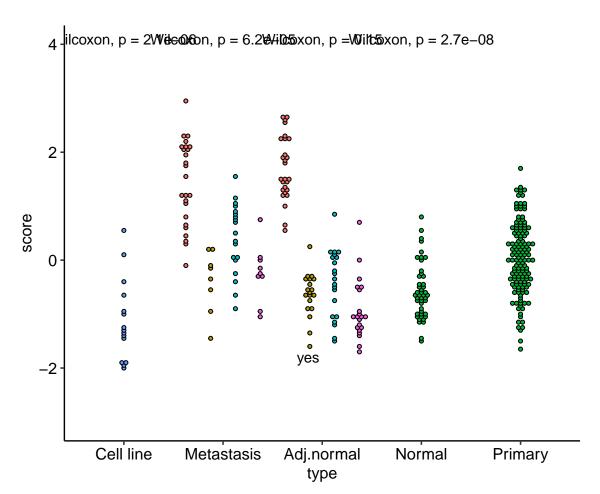


## Warning: Removed 2 rows containing non-finite values (stat\_bindot).

## Warning: Removed 2 rows containing non-finite values (stat\_compare\_means).

#### Scarpa\_PanNET score





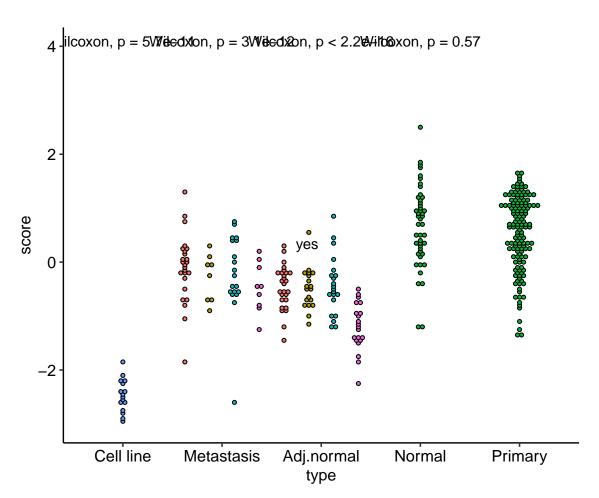
- ## Warning: Removed 1 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

#### Moffitt.Top5s score

location 

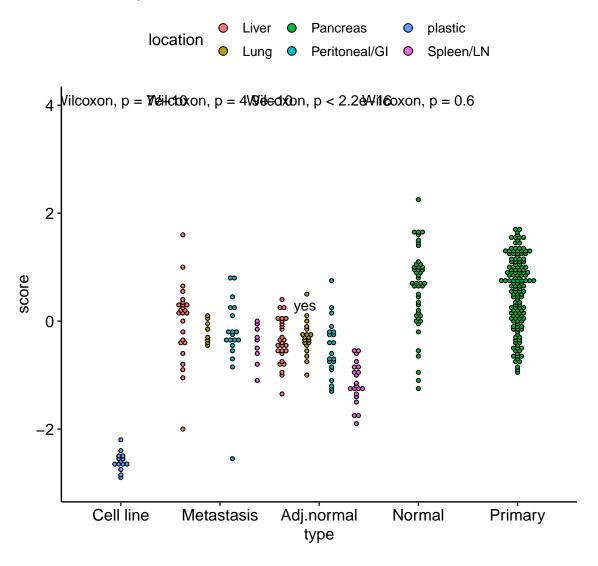
Liver 
Pancreas 
plastic

Lung 
Peritoneal/GI 
Spleen/LN

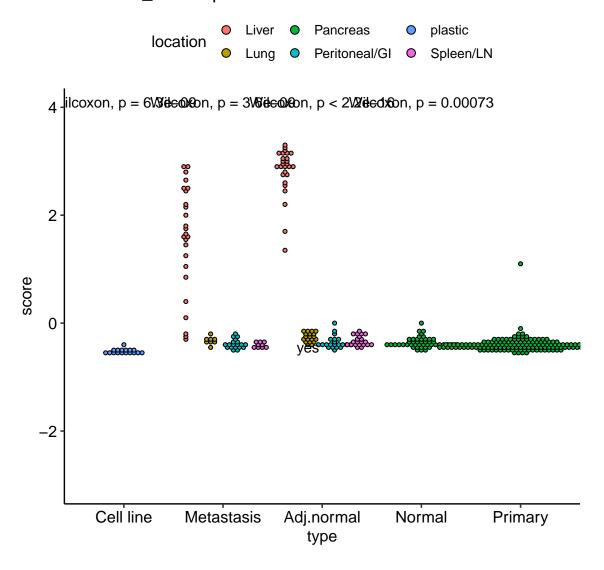


- ## Warning: Removed 3 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 3 rows containing non-finite values (stat\_compare\_means).

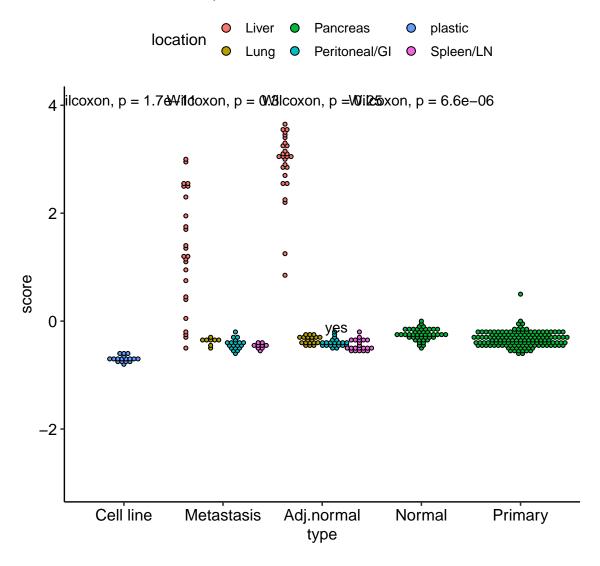
## Moffitt.Top25s score



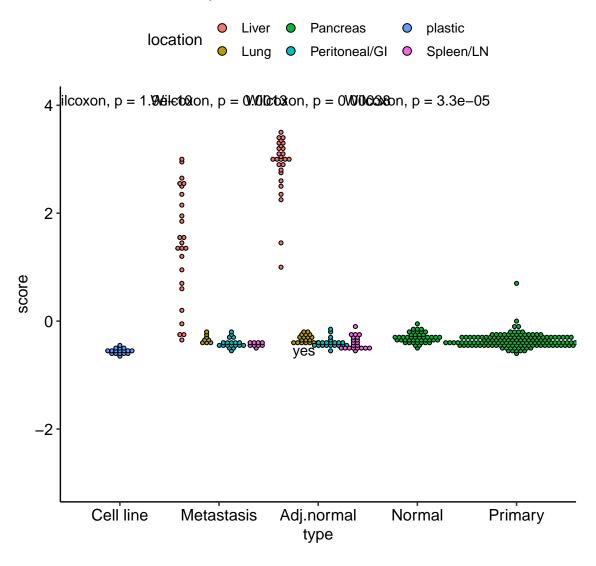
## Moffitt.F1\_Liver.top25 score



## Moffitt.F1\_Liver.top250 score

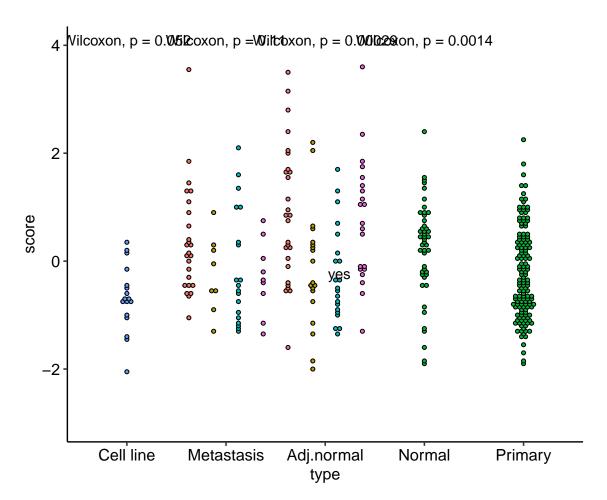


## Moffitt.F1\_Liver.top100 score



#### Moffitt.F2.top25 score



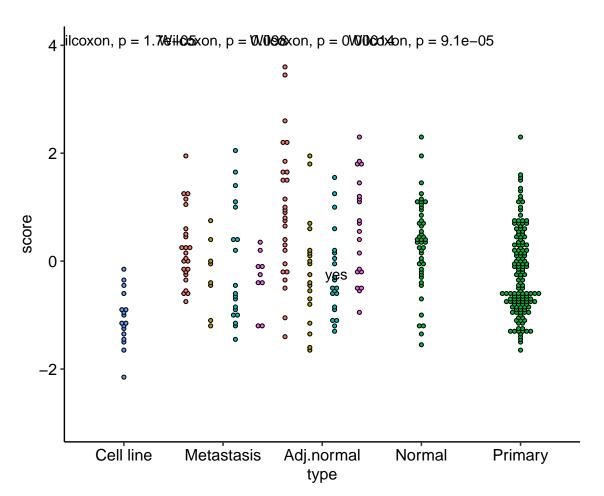


```
## Warning: Removed 2 rows containing non-finite values (stat_bindot).
```

## Warning: Removed 2 rows containing non-finite values (stat\_compare\_means).

#### Moffitt.F2.top250 score

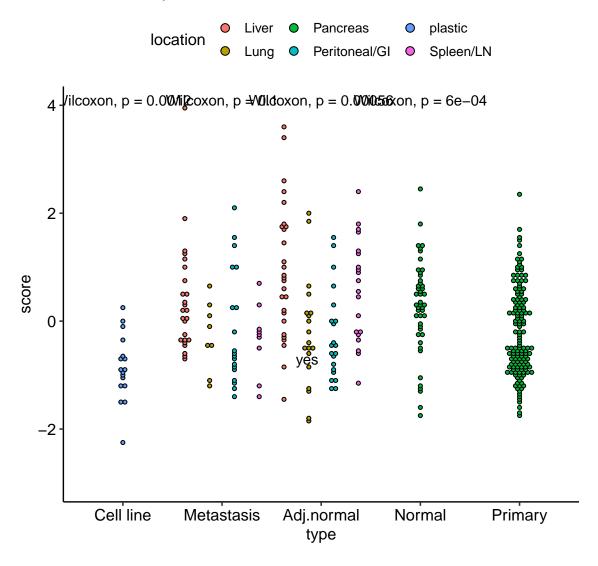




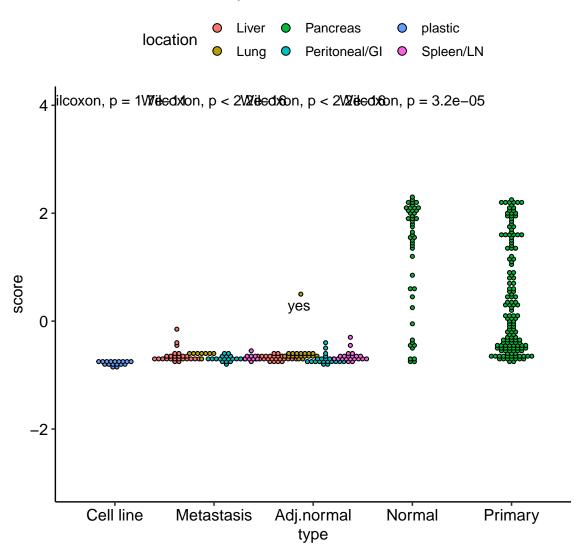
```
## Warning: Removed 1 rows containing non-finite values (stat_bindot).
```

## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

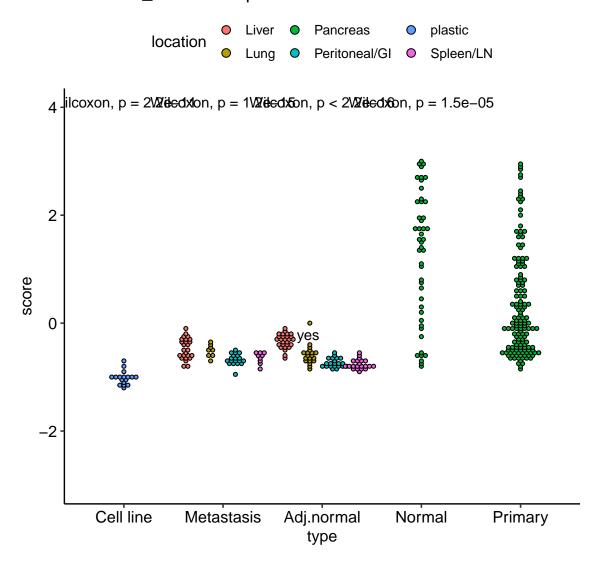
## Moffitt.F2.top100 score



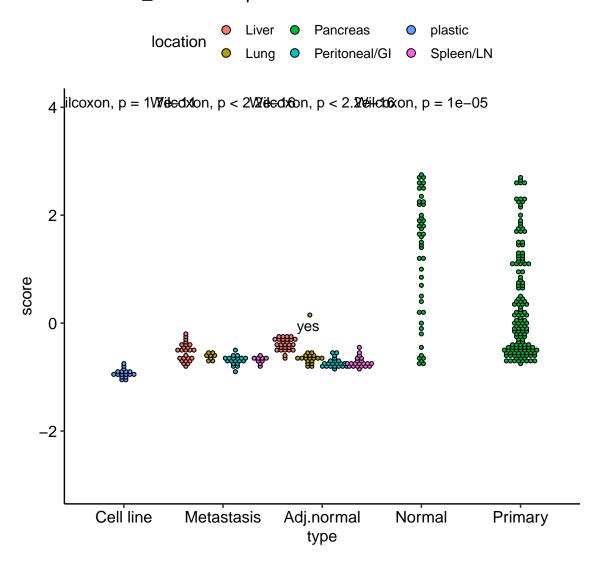
## Moffitt.F3\_Exocrine.top25 score



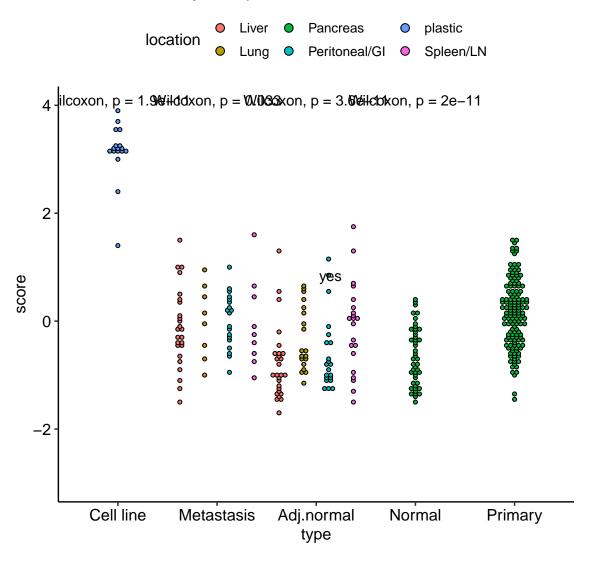
## Moffitt.F3\_Exocrine.top250 score



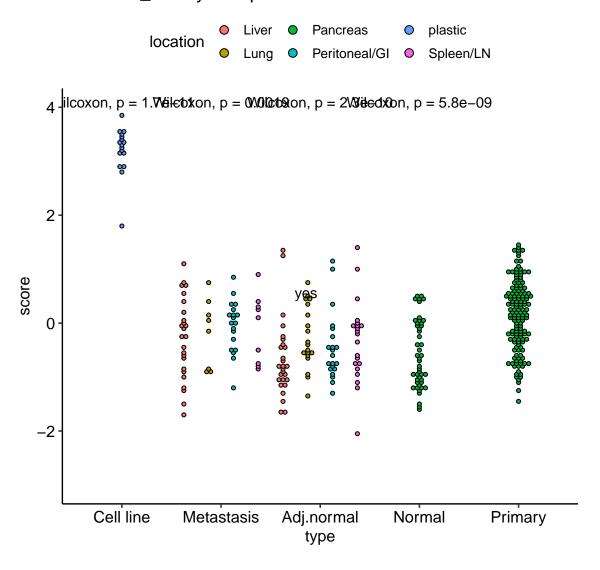
## Moffitt.F3\_Exocrine.top100 score



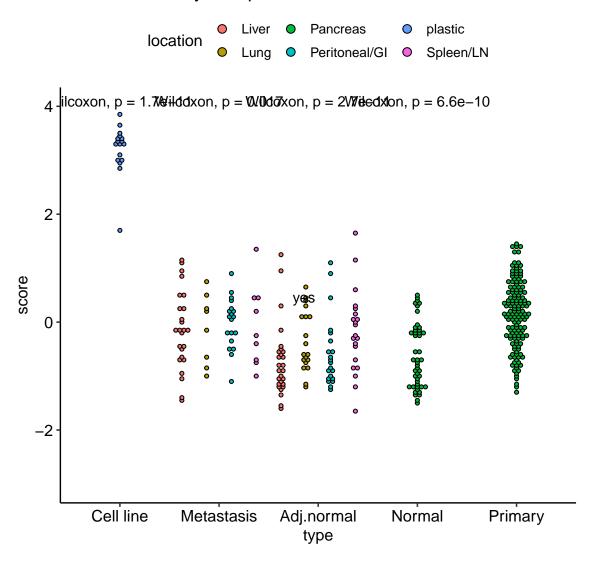
## Moffitt.F4\_CellCycle.top25 score



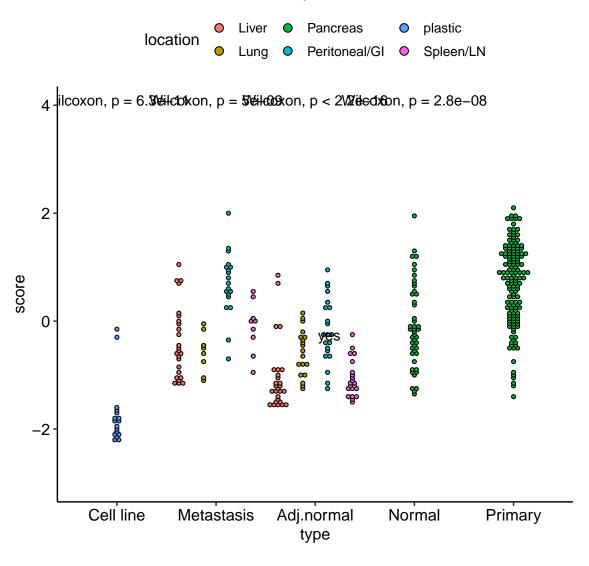
## Moffitt.F4\_CellCycle.top250 score



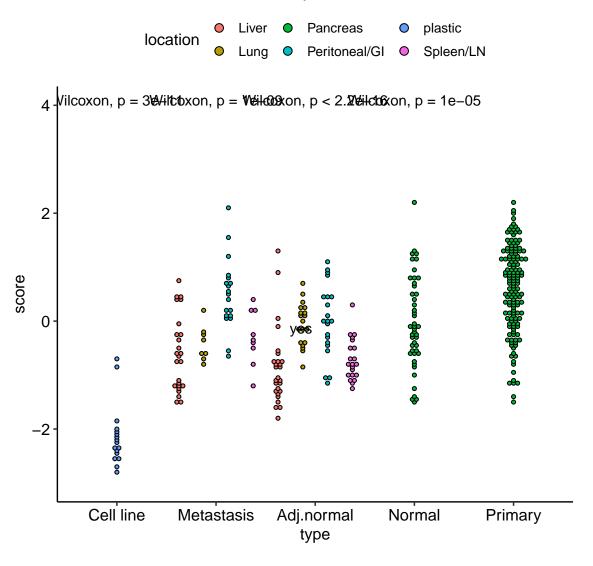
## Moffitt.F4\_CellCycle.top100 score



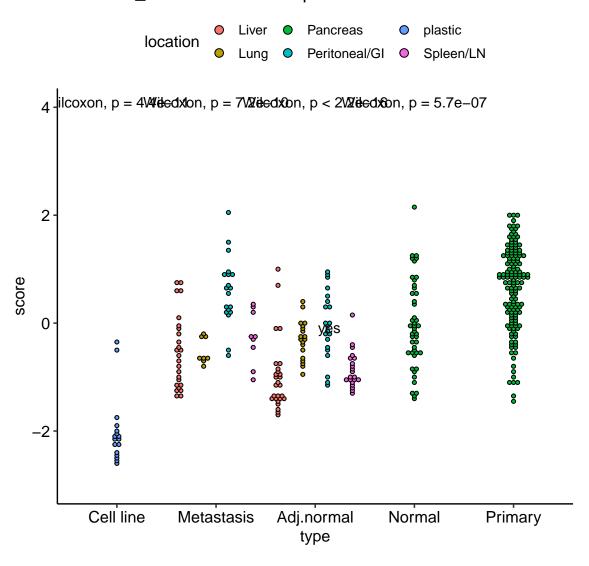
#### Moffitt.F5\_ActivatedStroma.top25 score



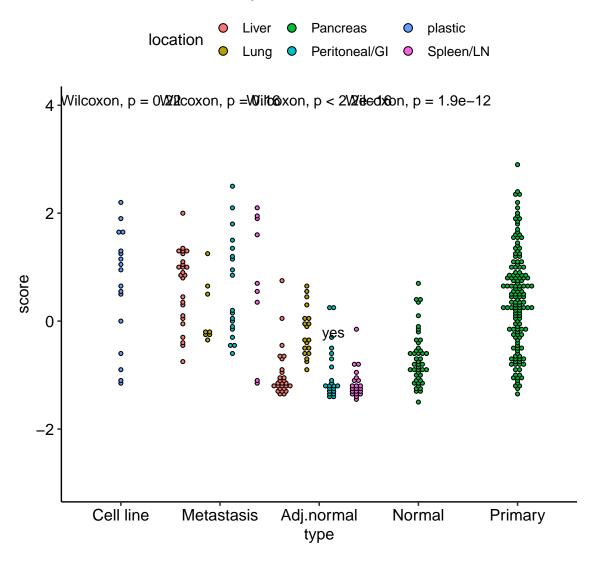
#### Moffitt.F5\_ActivatedStroma.top250 score



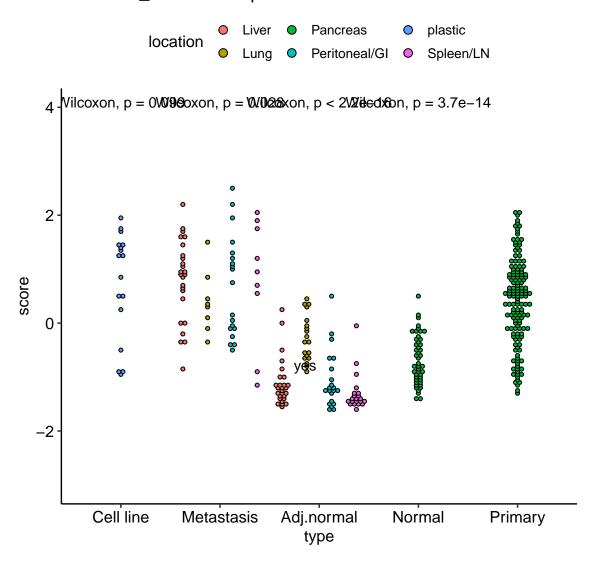
## Moffitt.F5\_ActivatedStroma.top100 score



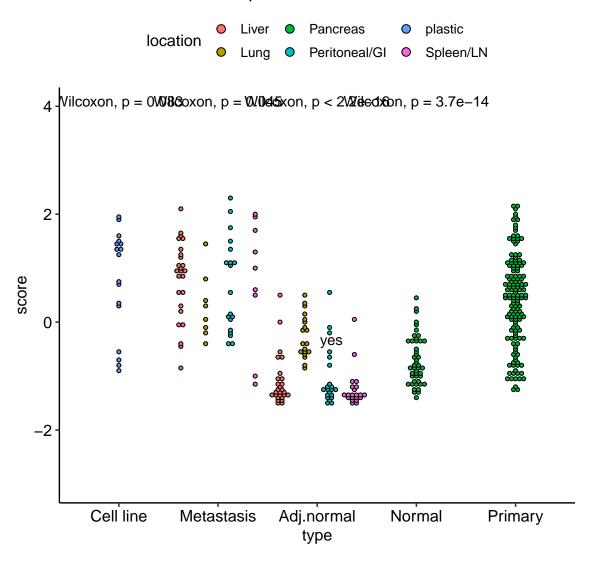
Moffitt.F6\_BasalLike.top25 score



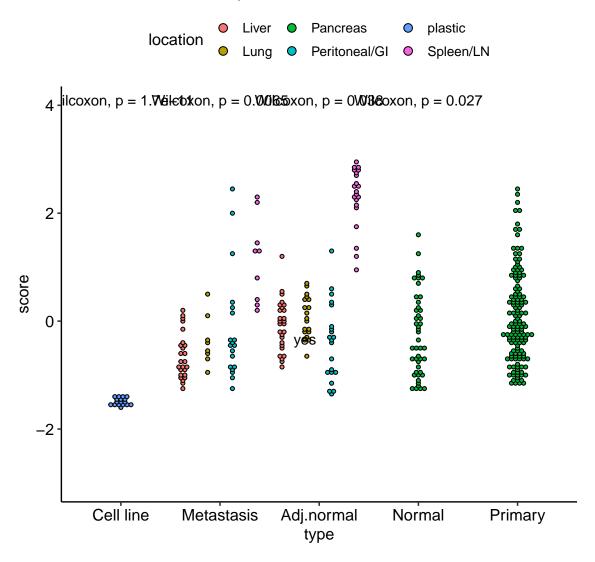
#### Moffitt.F6\_BasalLike.top250 score



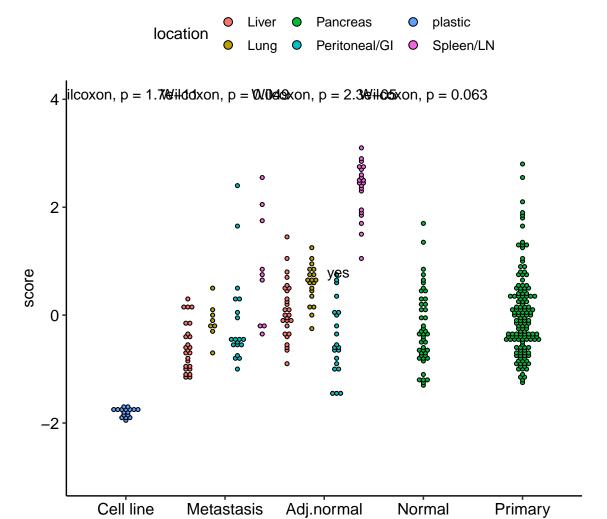
## Moffitt.F6\_BasalLike.top100 score



## Moffitt.F7\_Immune.top25 score



## Moffitt.F7\_Immune.top250 score



Adj.normal

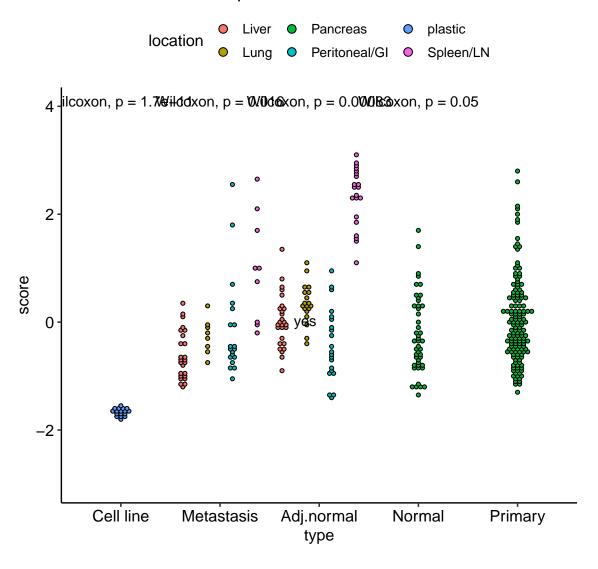
type

Metastasis

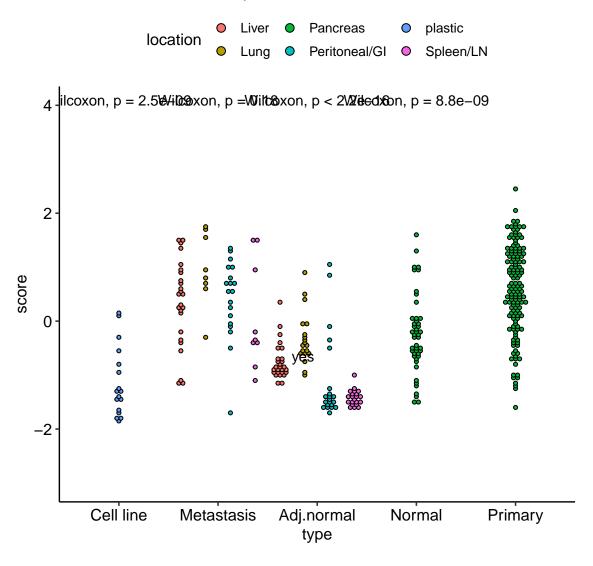
Normal

Primary

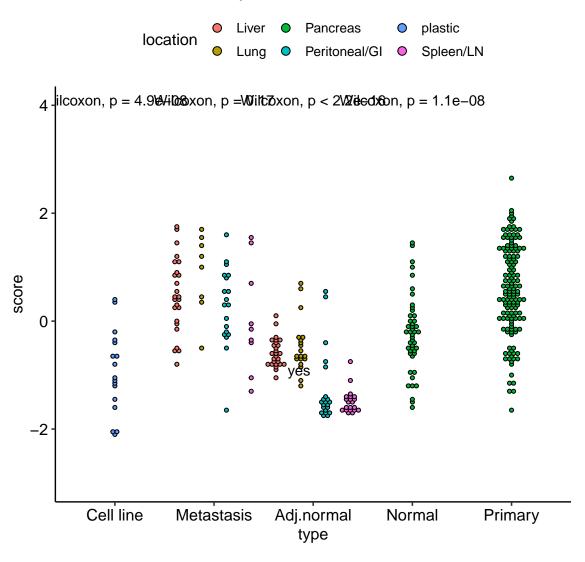
## Moffitt.F7\_Immune.top100 score



## Moffitt.F8\_Classical.top25 score

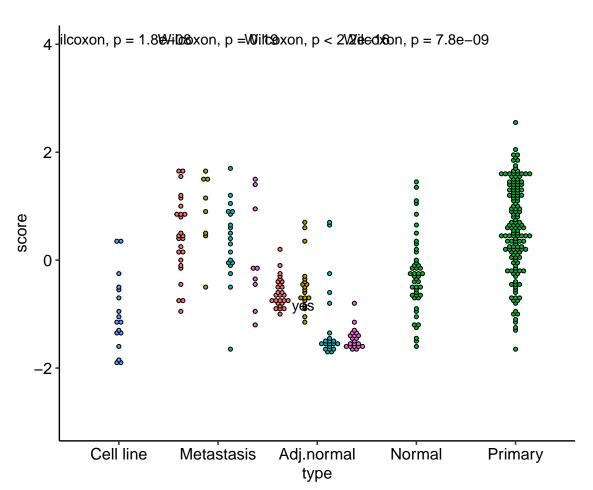


## Moffitt.F8\_Classical.top250 score



### Moffitt.F8\_Classical.top100 score



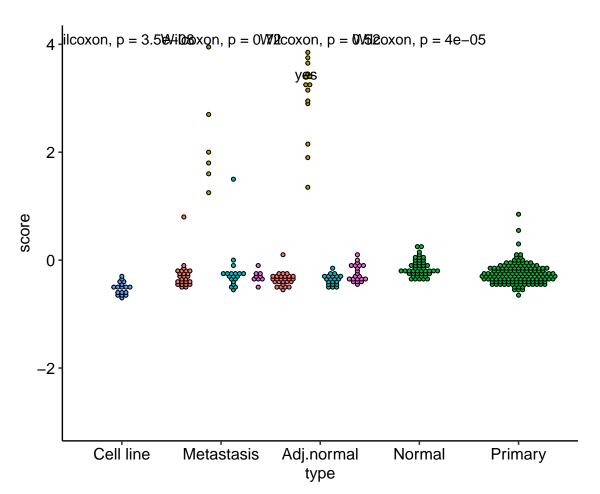


```
## Warning: Removed 7 rows containing non-finite values (stat_bindot).
```

## Warning: Removed 7 rows containing non-finite values (stat\_compare\_means).

### Moffitt.F9\_Lung.top25 score

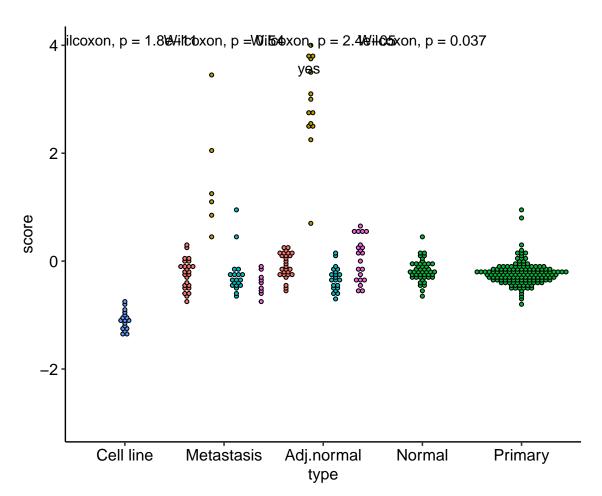




- ## Warning: Removed 7 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 7 rows containing non-finite values (stat\_compare\_means).

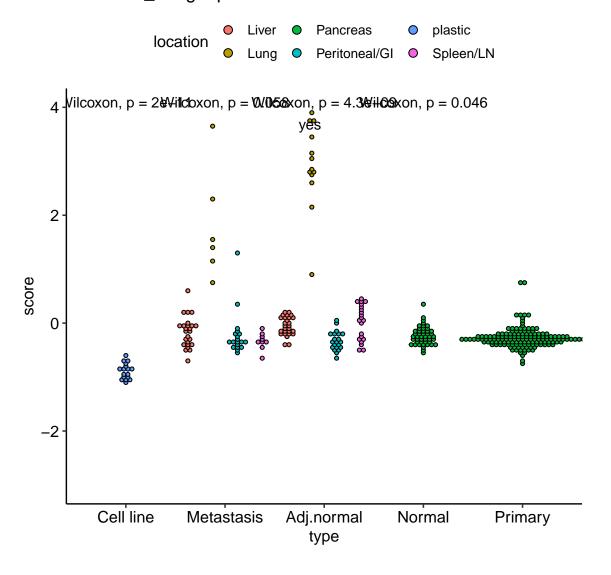
### Moffitt.F9\_Lung.top250 score





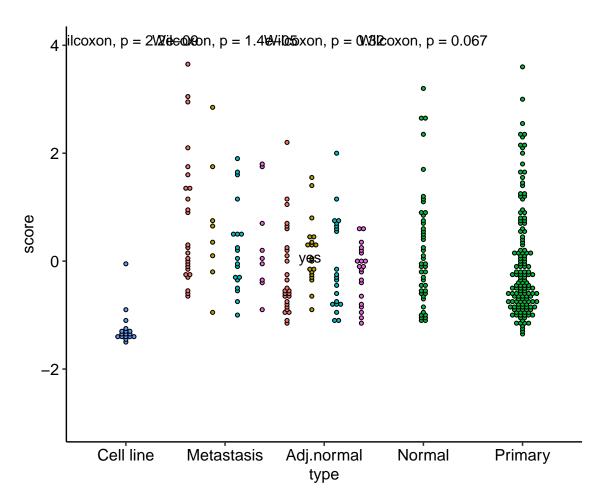
- ## Warning: Removed 8 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 8 rows containing non-finite values (stat\_compare\_means).

# Moffitt.F9\_Lung.top100 score



### Moffitt.F10.top25 score



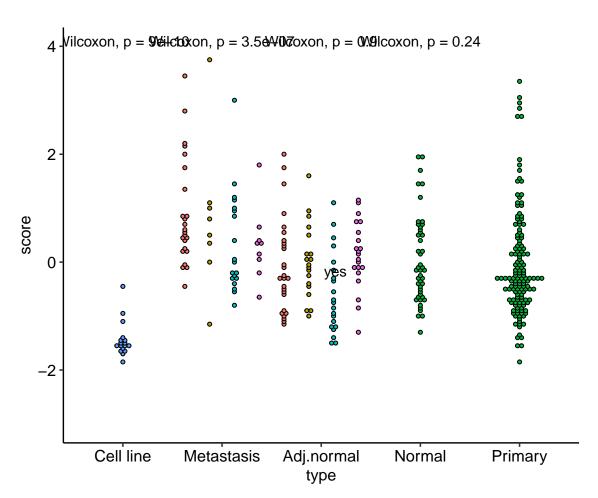


```
## Warning: Removed 1 rows containing non-finite values (stat_bindot).
```

## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

### Moffitt.F10.top250 score



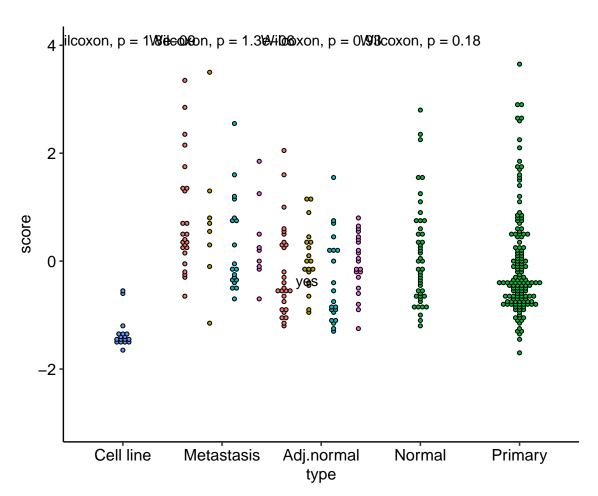


## Warning: Removed 1 rows containing non-finite values (stat\_bindot).

## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

### Moffitt.F10.top100 score





## Warning: Removed 13 rows containing non-finite values (stat\_bindot).

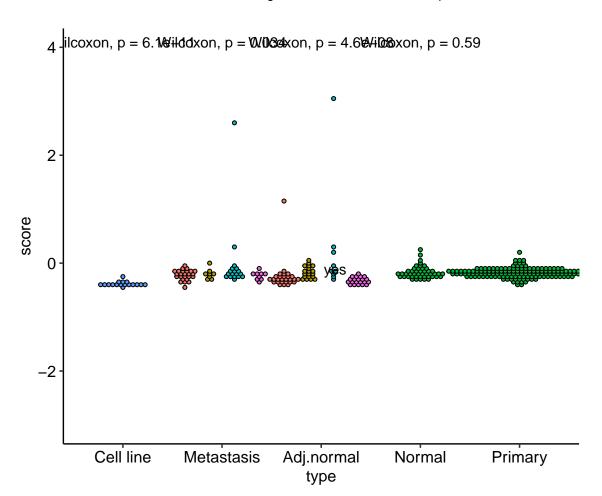
## Warning: Removed 13 rows containing non-finite values (stat\_compare\_means).

### Moffitt.F11\_Muscle.top25 score

location 

Liver 
Pancreas 
plastic

Lung 
Peritoneal/GI 
Spleen/LN

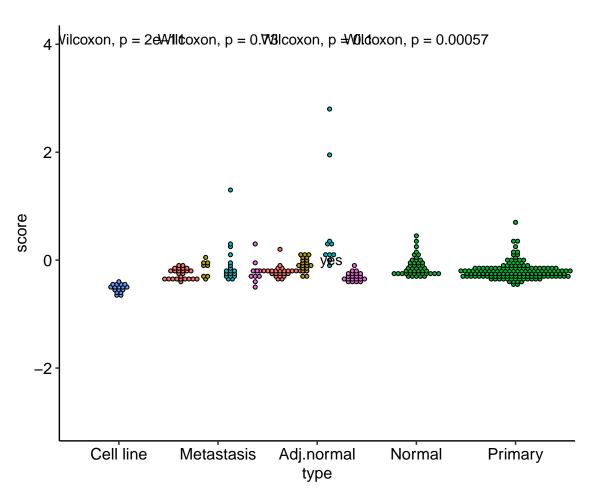


## Warning: Removed 12 rows containing non-finite values (stat\_bindot).

## Warning: Removed 12 rows containing non-finite values (stat\_compare\_means).

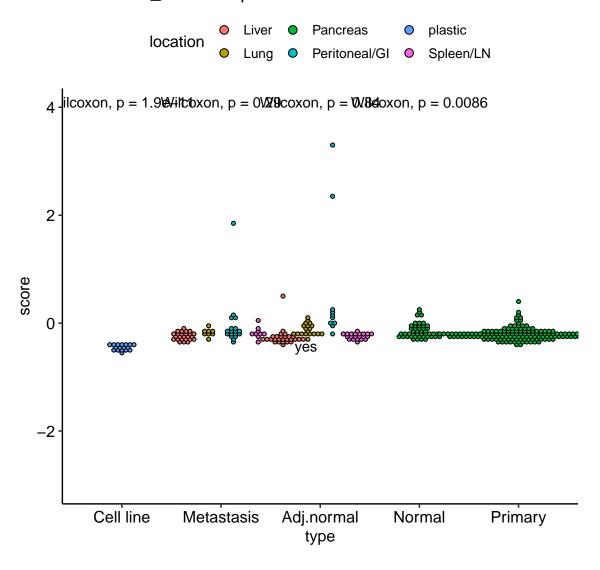
### Moffitt.F11\_Muscle.top250 score



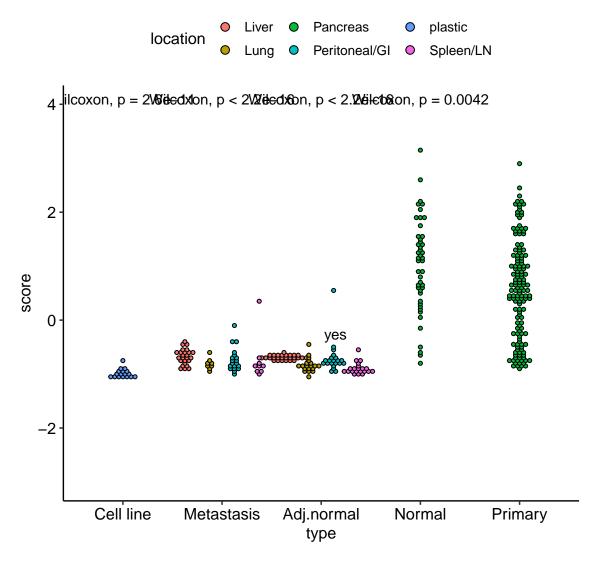


- ## Warning: Removed 12 rows containing non-finite values (stat\_bindot).
- ## Warning: Removed 12 rows containing non-finite values (stat\_compare\_means).

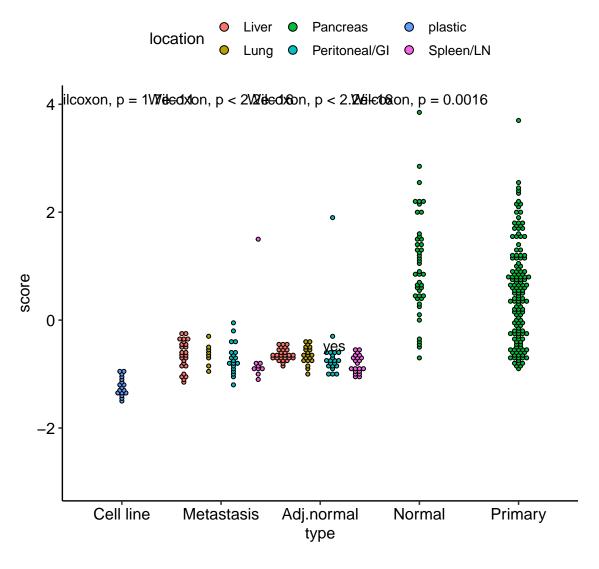
## Moffitt.F11\_Muscle.top100 score



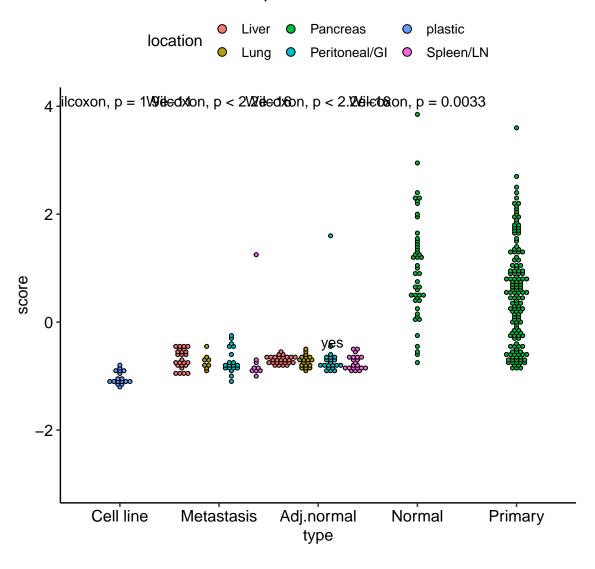
Moffitt.F12\_Endocrine.top25 score



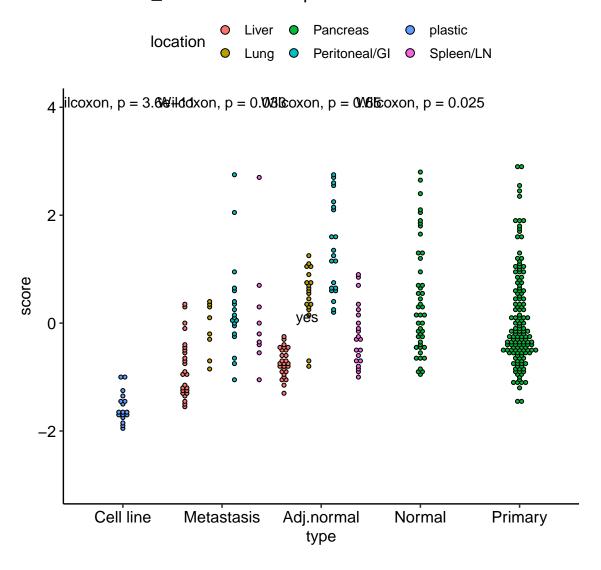
## Moffitt.F12\_Endocrine.top250 score



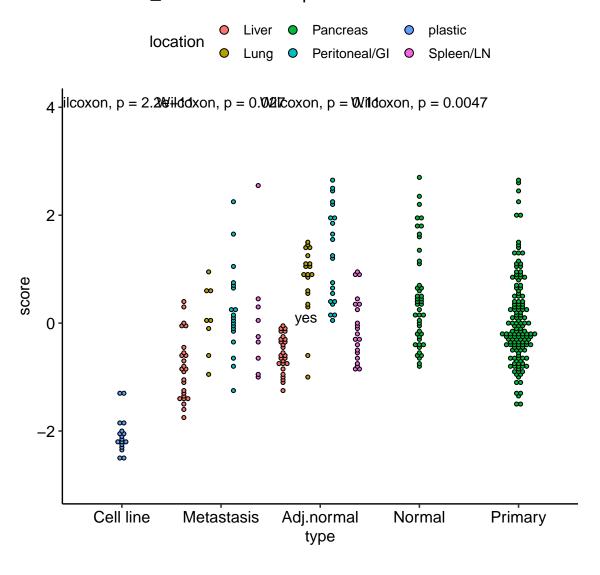
## Moffitt.F12\_Endocrine.top100 score



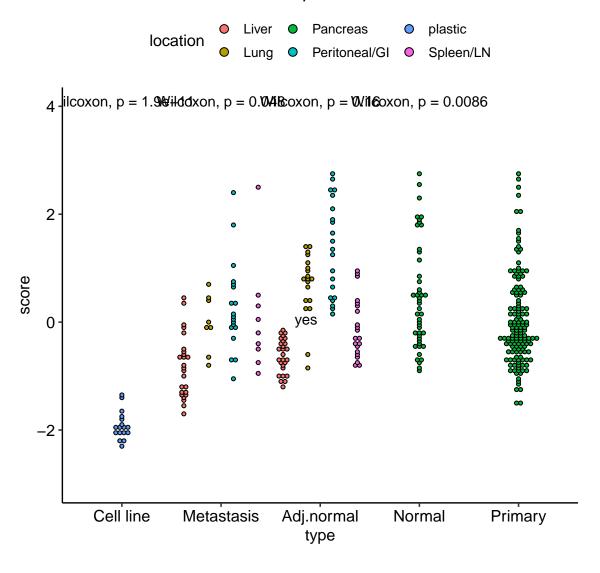
Moffitt.F13\_NormalStroma.top25 score



Moffitt.F13\_NormalStroma.top250 score

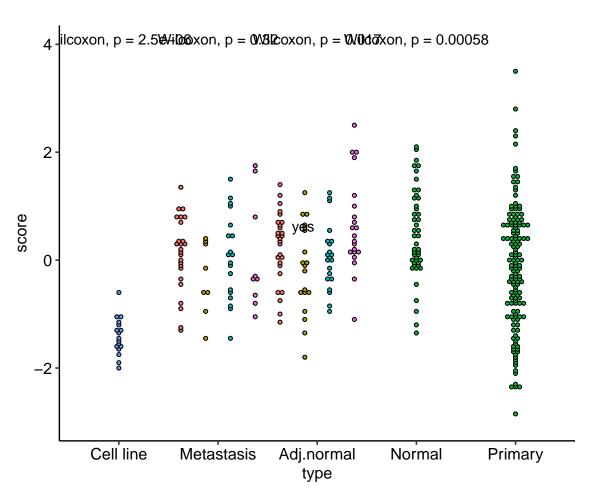


Moffitt.F13\_NormalStroma.top100 score



### Moffitt.F14.top25 score



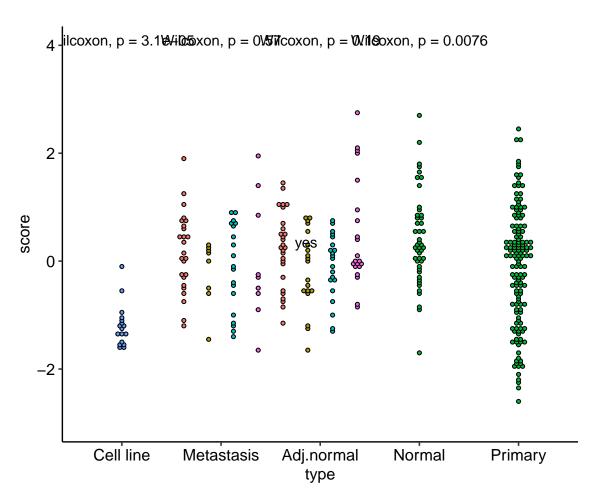


```
## Warning: Removed 1 rows containing non-finite values (stat_bindot).
```

## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

### Moffitt.F14.top250 score

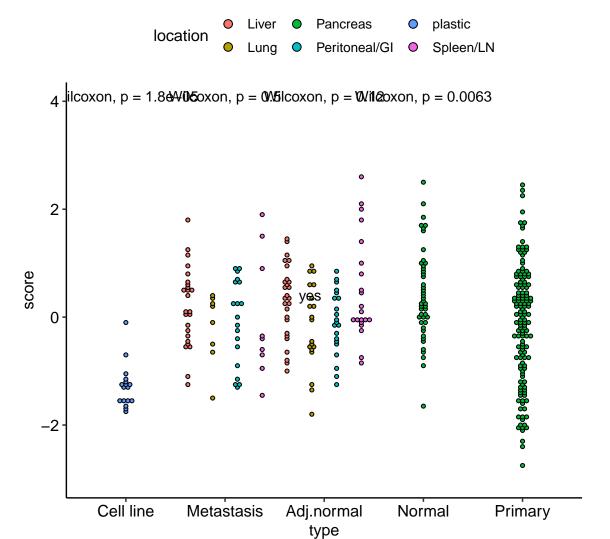




## Warning: Removed 1 rows containing non-finite values (stat\_bindot).

## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

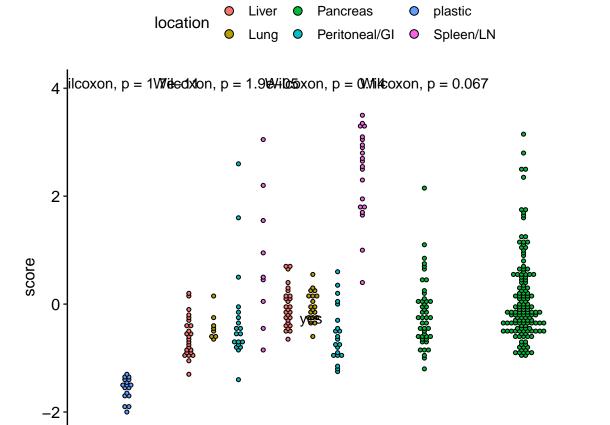
## Moffitt.F14.top100 score



#### CIBERSORT.B.cells.naive score

Cell line

Metastasis



Adj.normal

type

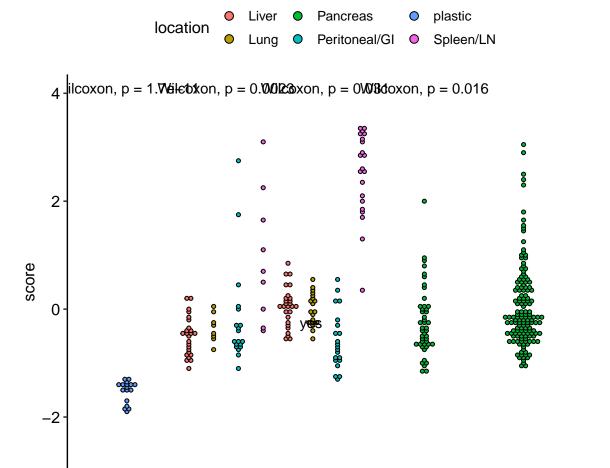
Normal

Primary

## CIBERSORT.B.cells.memory score

Cell line

Metastasis



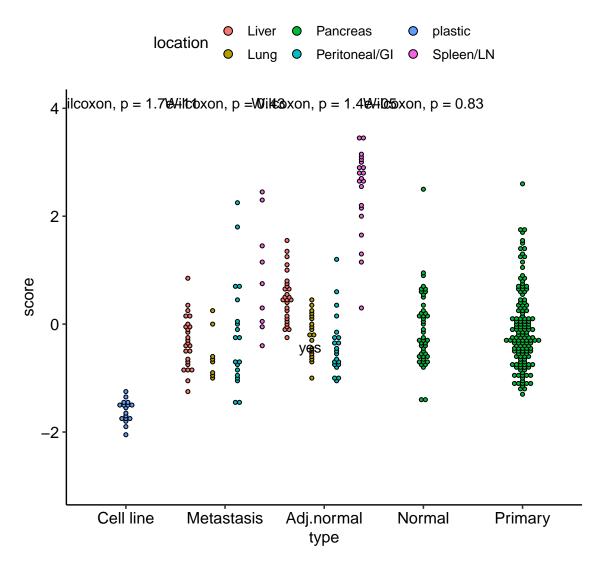
Adj.normal

type

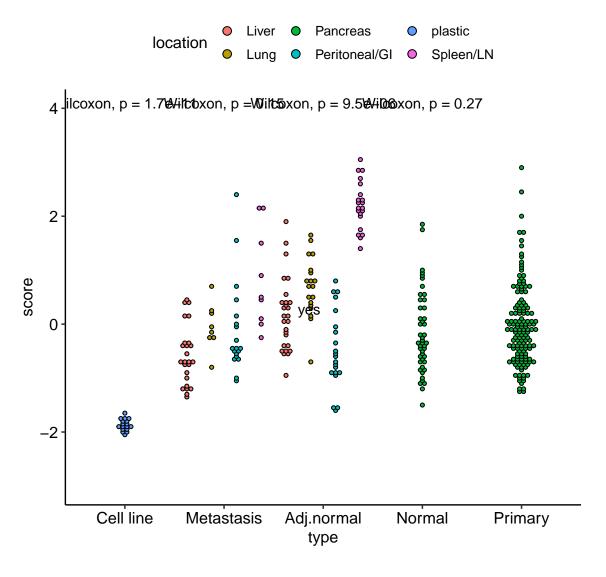
Normal

Primary

#### CIBERSORT.Plasma.cells score



#### CIBERSORT.T.cells.CD8 score

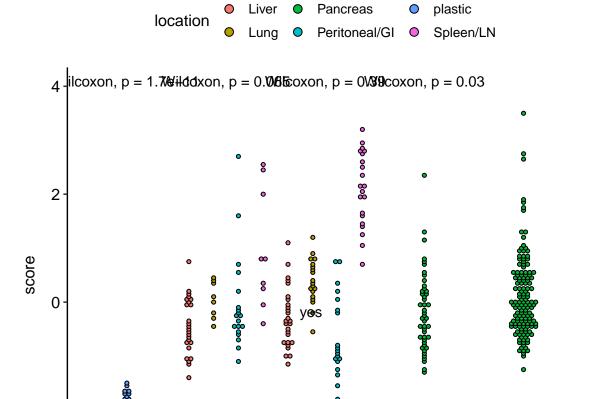


#### CIBERSORT.T.cells.CD4.naive score

-2

Cell line

Metastasis



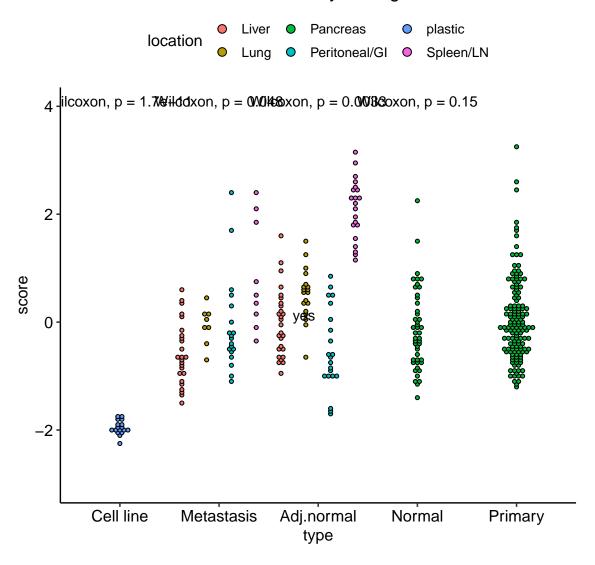
Adj.normal

type

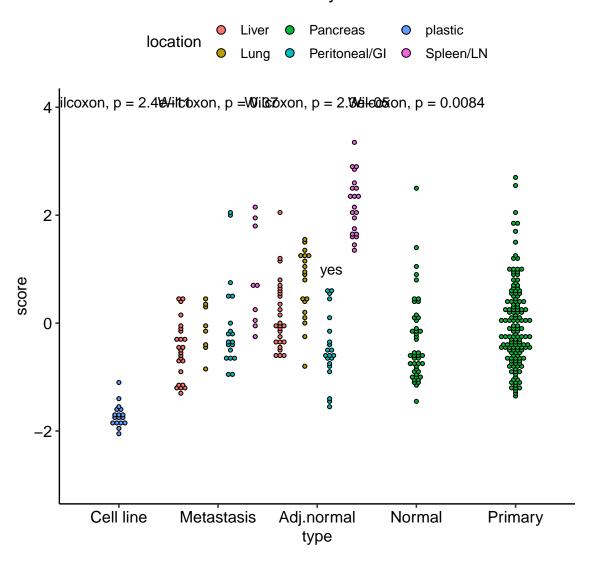
Normal

Primary

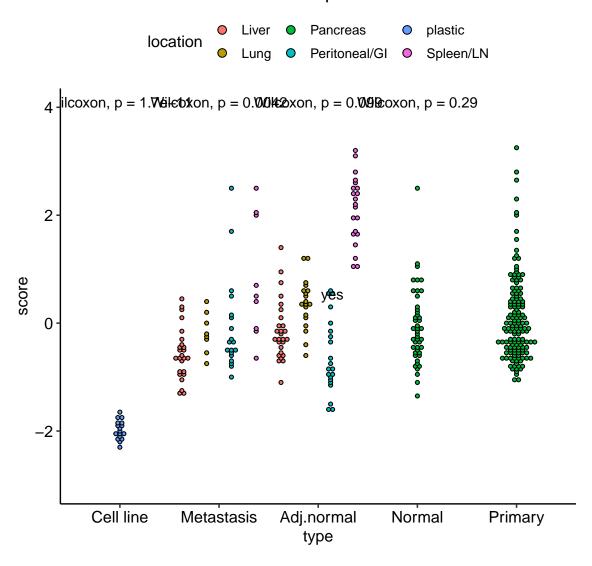
## CIBERSORT.T.cells.CD4.memory.resting score



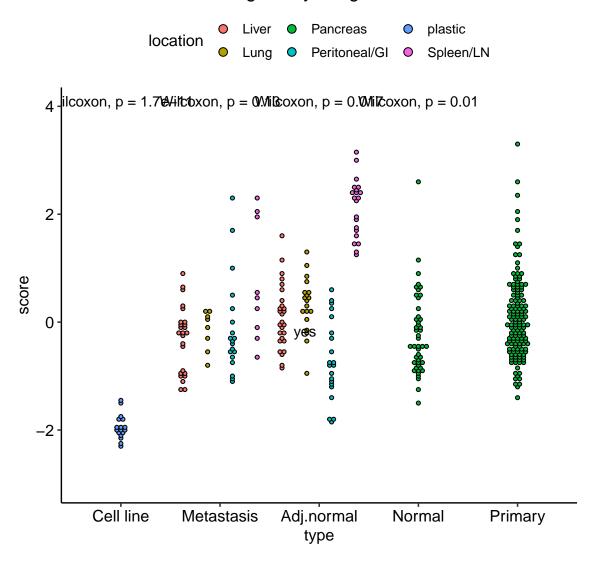
## CIBERSORT.T.cells.CD4.memory.activated score



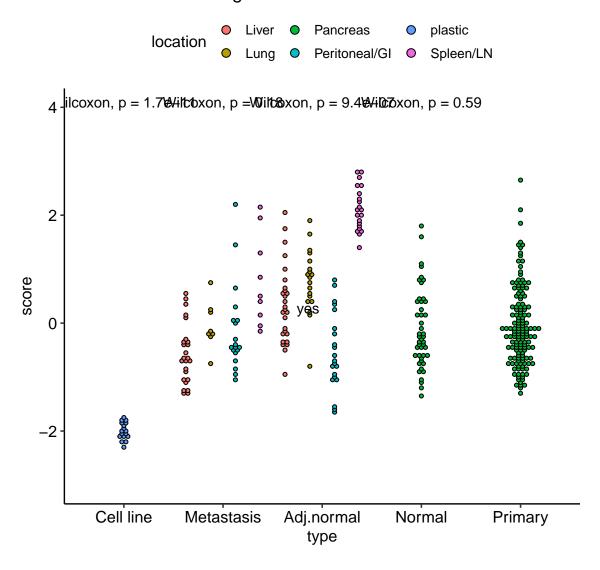
## CIBERSORT.T.cells.follicular.helper score



## CIBERSORT.T.cells.regulatory..Tregs. score

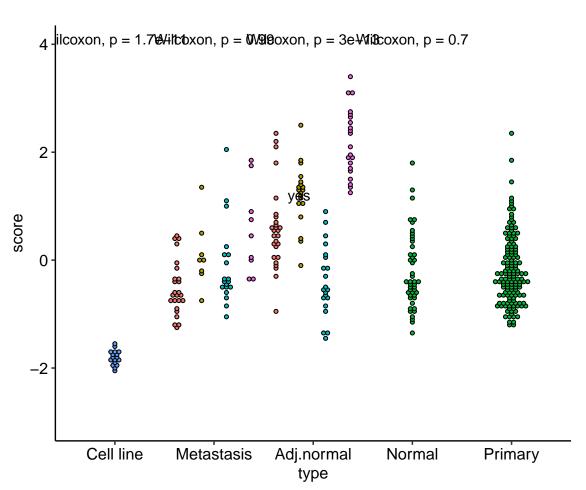


## CIBERSORT.T.cells.gamma.delta score

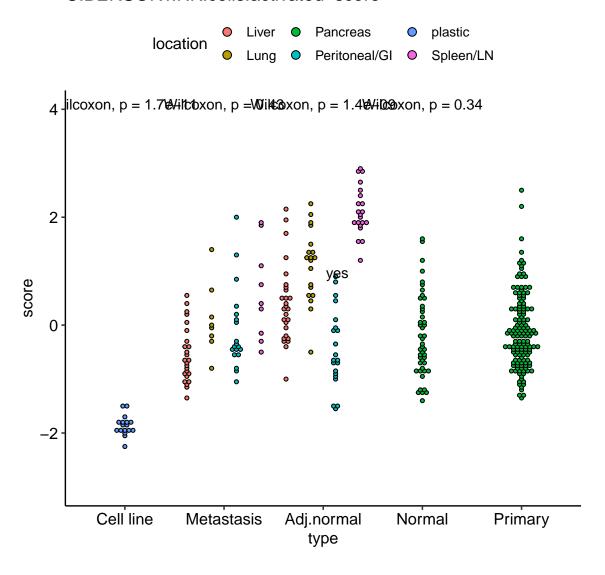


## CIBERSORT.NK.cells.resting score



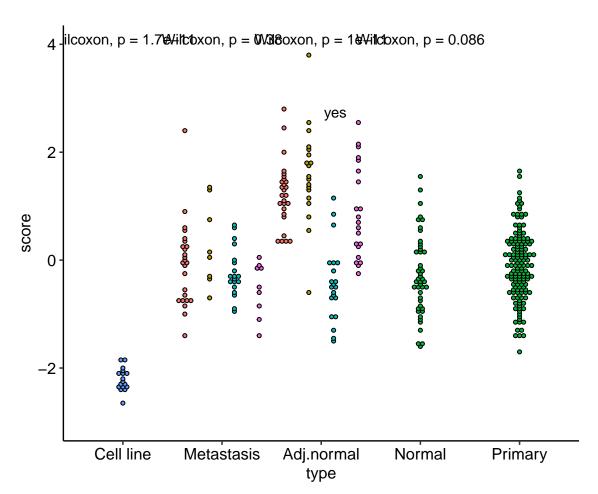


#### CIBERSORT.NK.cells.activated score



#### CIBERSORT.Monocytes score



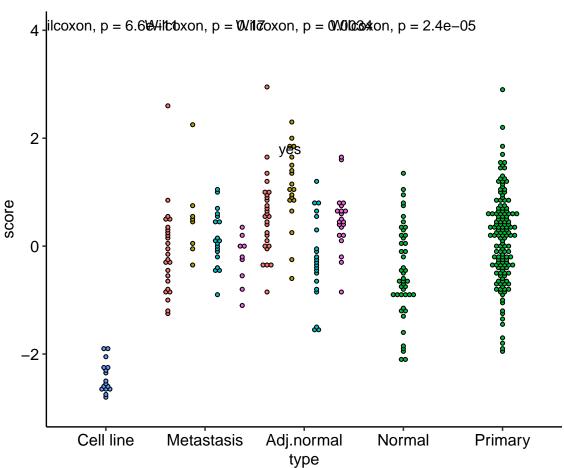


```
## Warning: Removed 1 rows containing non-finite values (stat_bindot).
```

## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

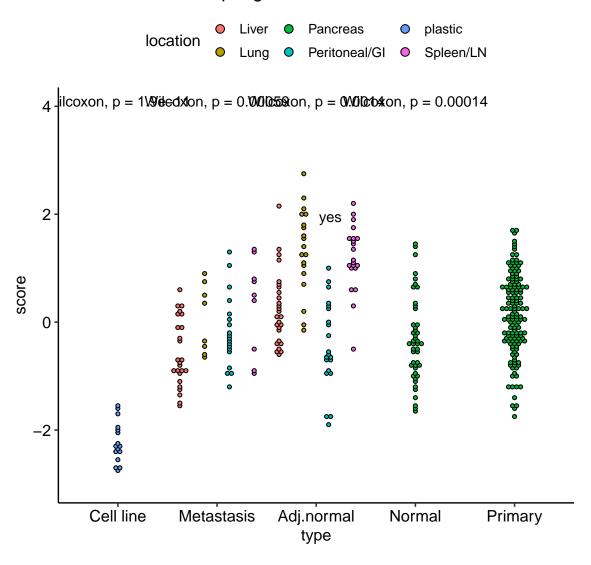
# CIBERSORT.Macrophages.M0 score



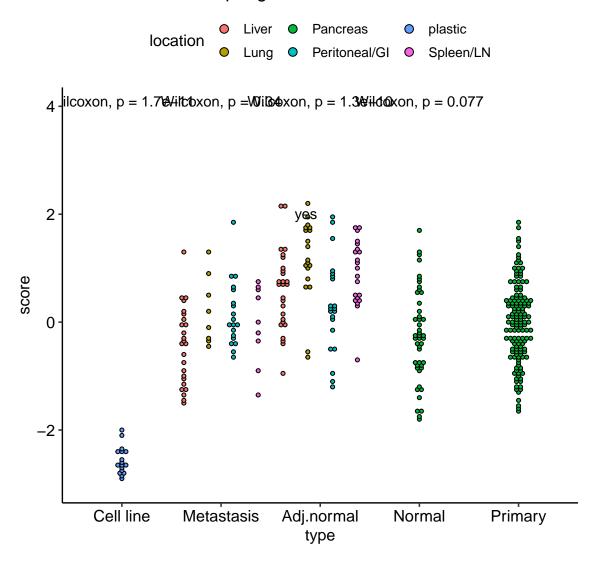


## Warning: Removed 1 rows containing missing values (geom\_dotplot).

# CIBERSORT.Macrophages.M1 score

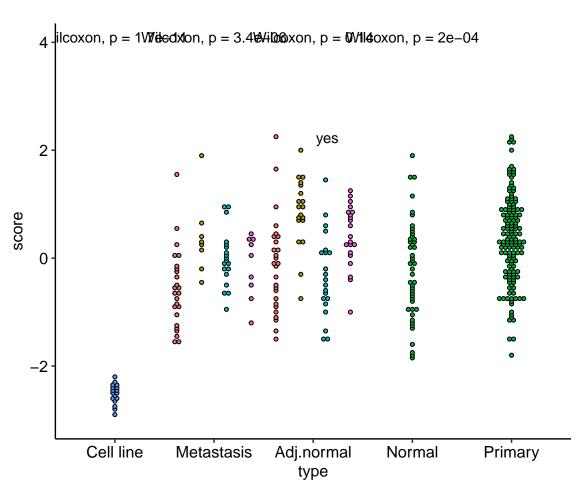


# CIBERSORT.Macrophages.M2 score



#### CIBERSORT.Dendritic.cells.resting score

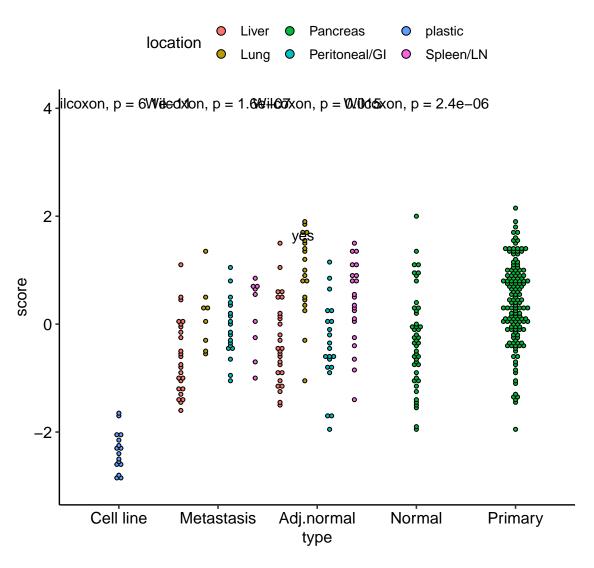




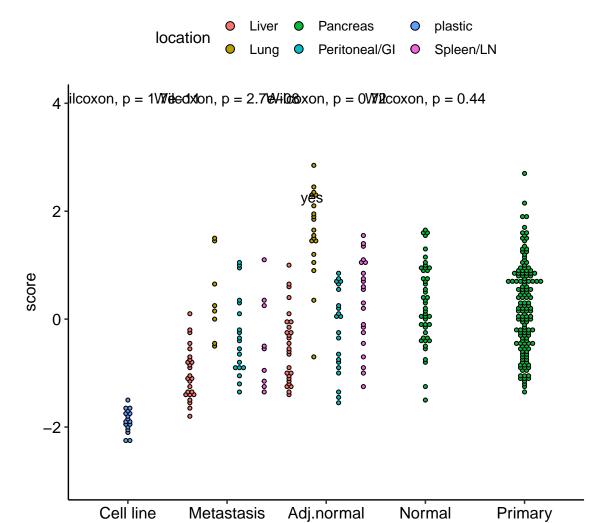
```
## Warning: Removed 1 rows containing non-finite values (stat_bindot).
```

## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

#### CIBERSORT.Dendritic.cells.activated score



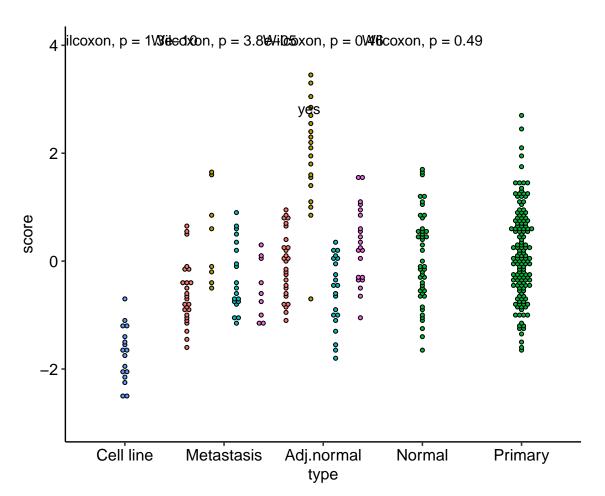
# CIBERSORT.Mast.cells.resting score



type

#### CIBERSORT.Mast.cells.activated score



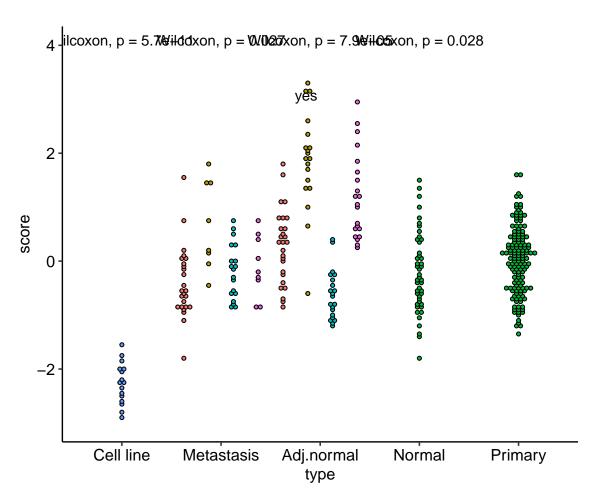


```
## Warning: Removed 1 rows containing non-finite values (stat_bindot).
```

<sup>##</sup> Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

#### CIBERSORT. Eosinophils score



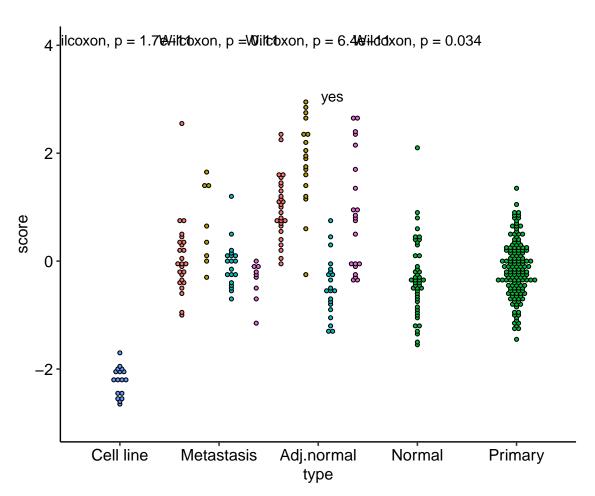


## Warning: Removed 1 rows containing non-finite values (stat\_bindot).

## Warning: Removed 1 rows containing non-finite values (stat\_compare\_means).

#### CIBERSORT.Neutrophils score

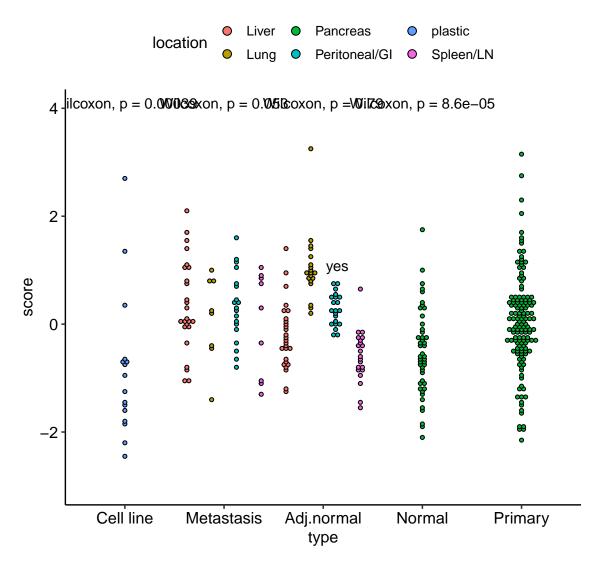




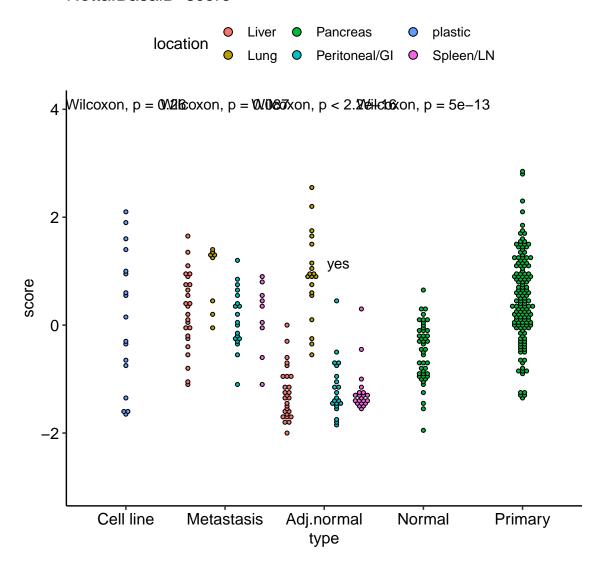
```
## Warning: Removed 4 rows containing non-finite values (stat_bindot).
```

## Warning: Removed 4 rows containing non-finite values (stat\_compare\_means).

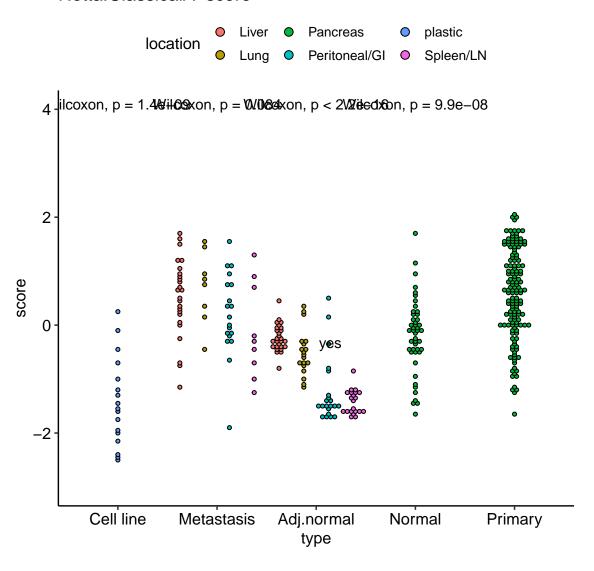
#### Notta.BasalA score



#### Notta.BasalB score



# Notta.ClassicalA score

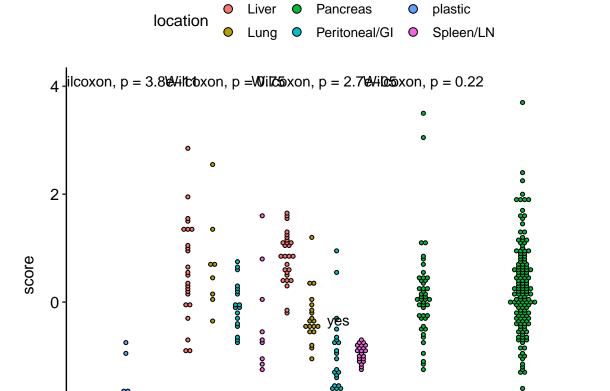


# Notta.ClassicalB score

-2

Cell line

Metastasis



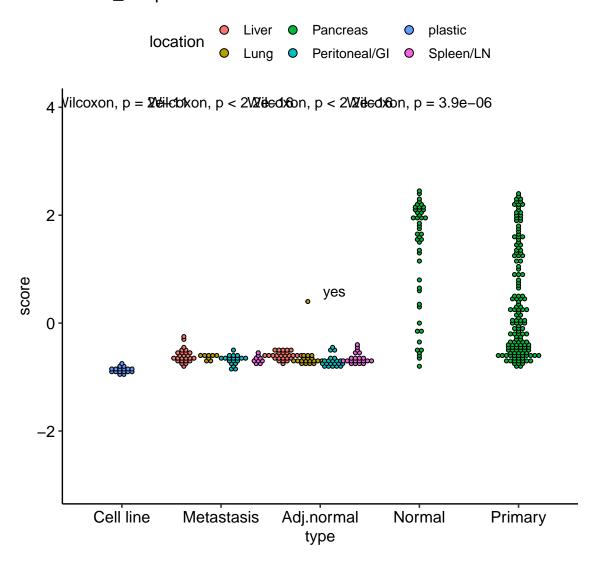
Adj.normal

type

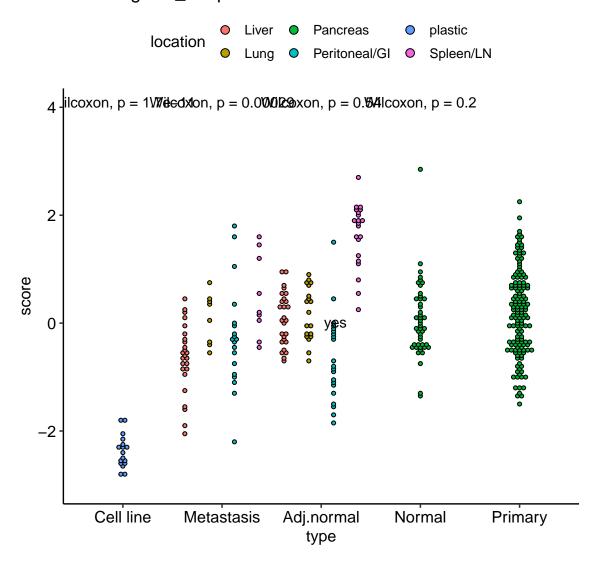
Normal

Primary

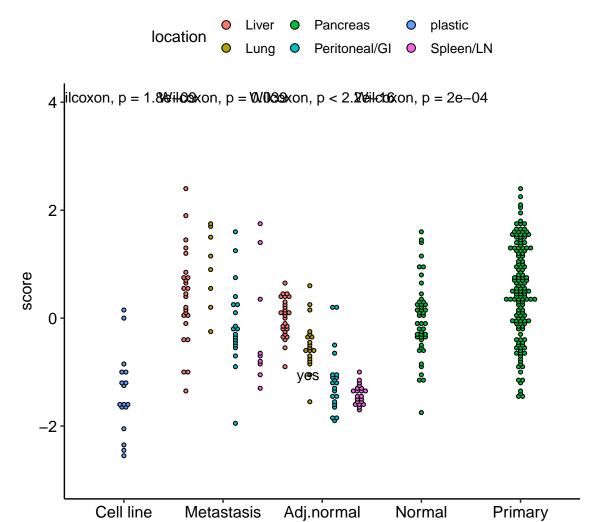
# ADEX\_unique score



# Immunogenic\_unique score



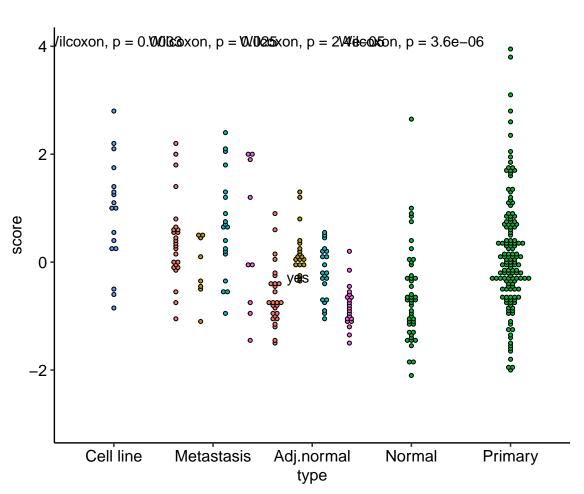
# Progenitor\_unique score



type

# Squamous\_unique score

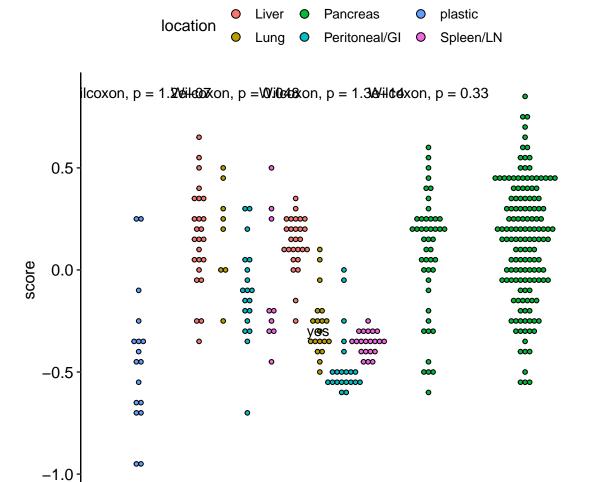




# molgrad\_PDX score

Cell line

Metastasis



Adj.normal

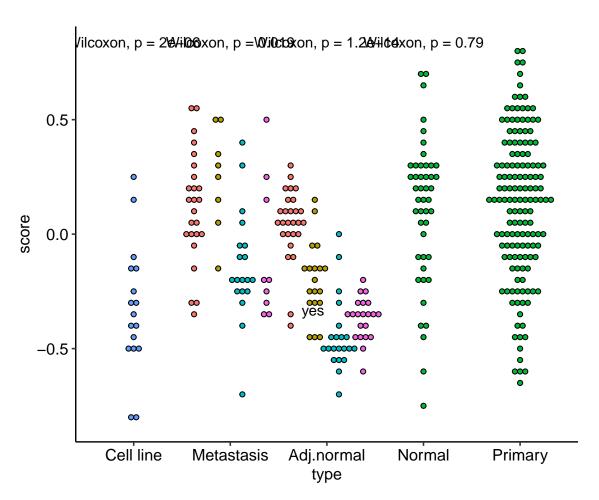
type

Normal

Primary

# molgrad\_Puleo score





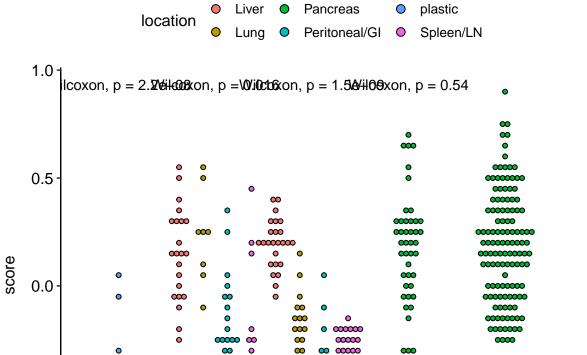
# molgrad\_ICGCarray score

**∞** 

Metastasis

Cell line

-0.5



Adj.normal

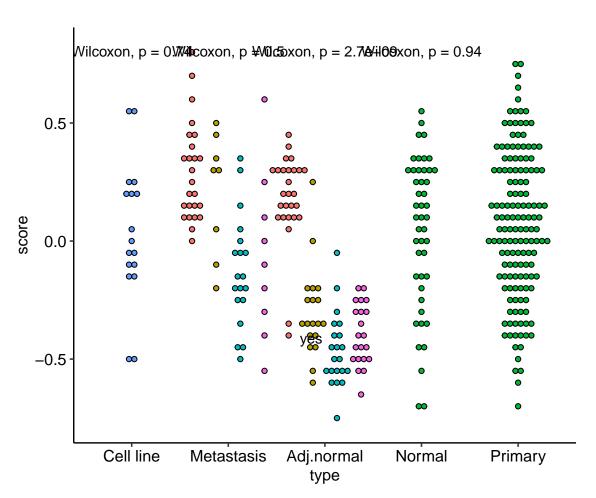
type

Normal

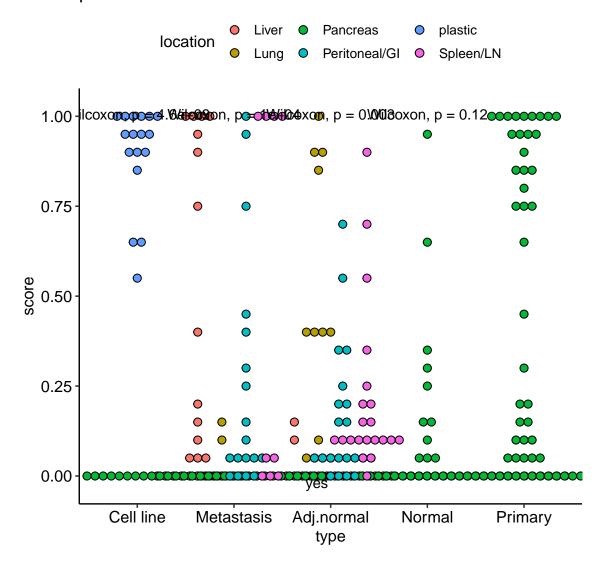
Primary

# molgrad\_ICGCrnaseq score





# purIST score



#### molgrad\_scaled score

