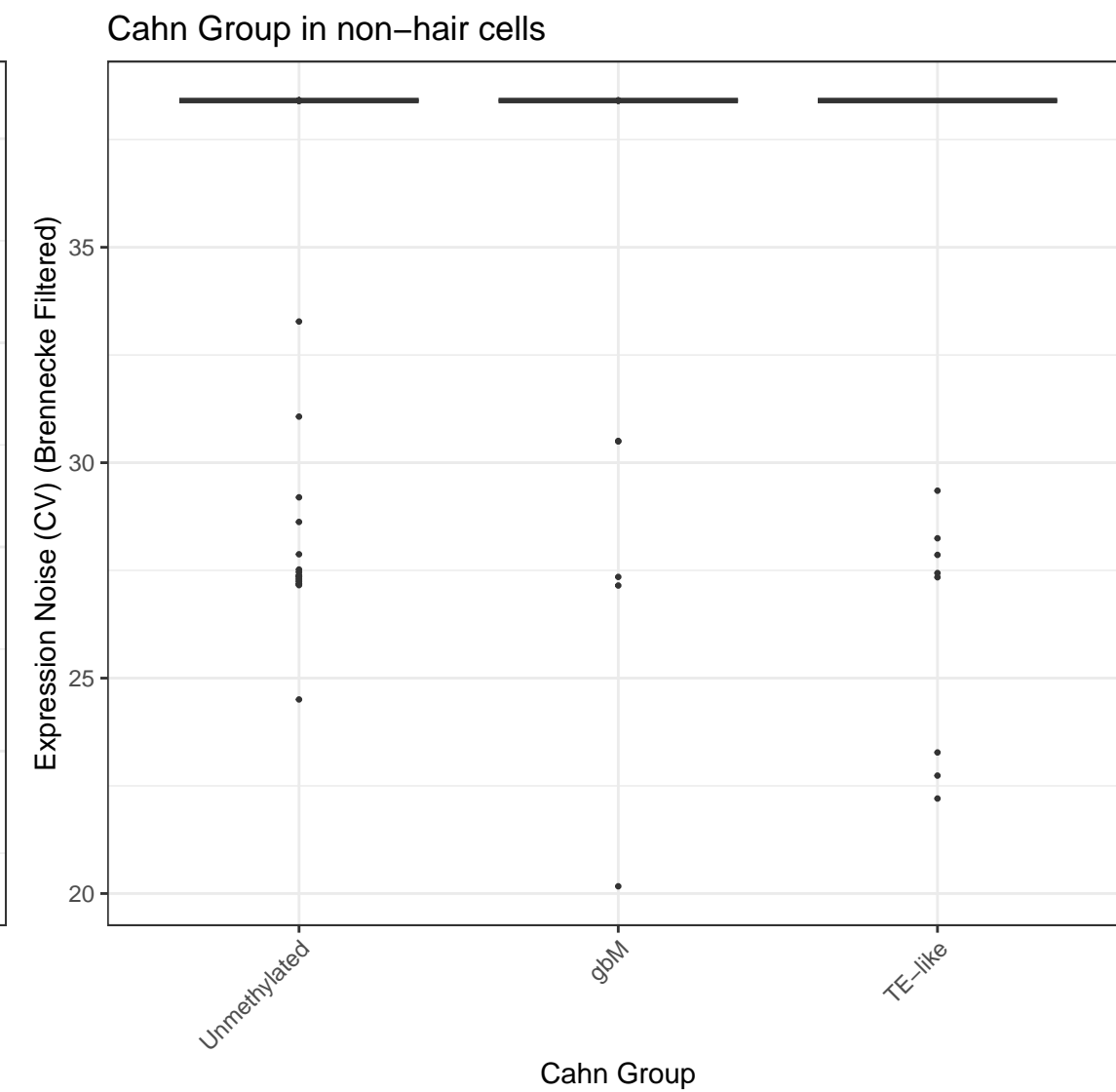
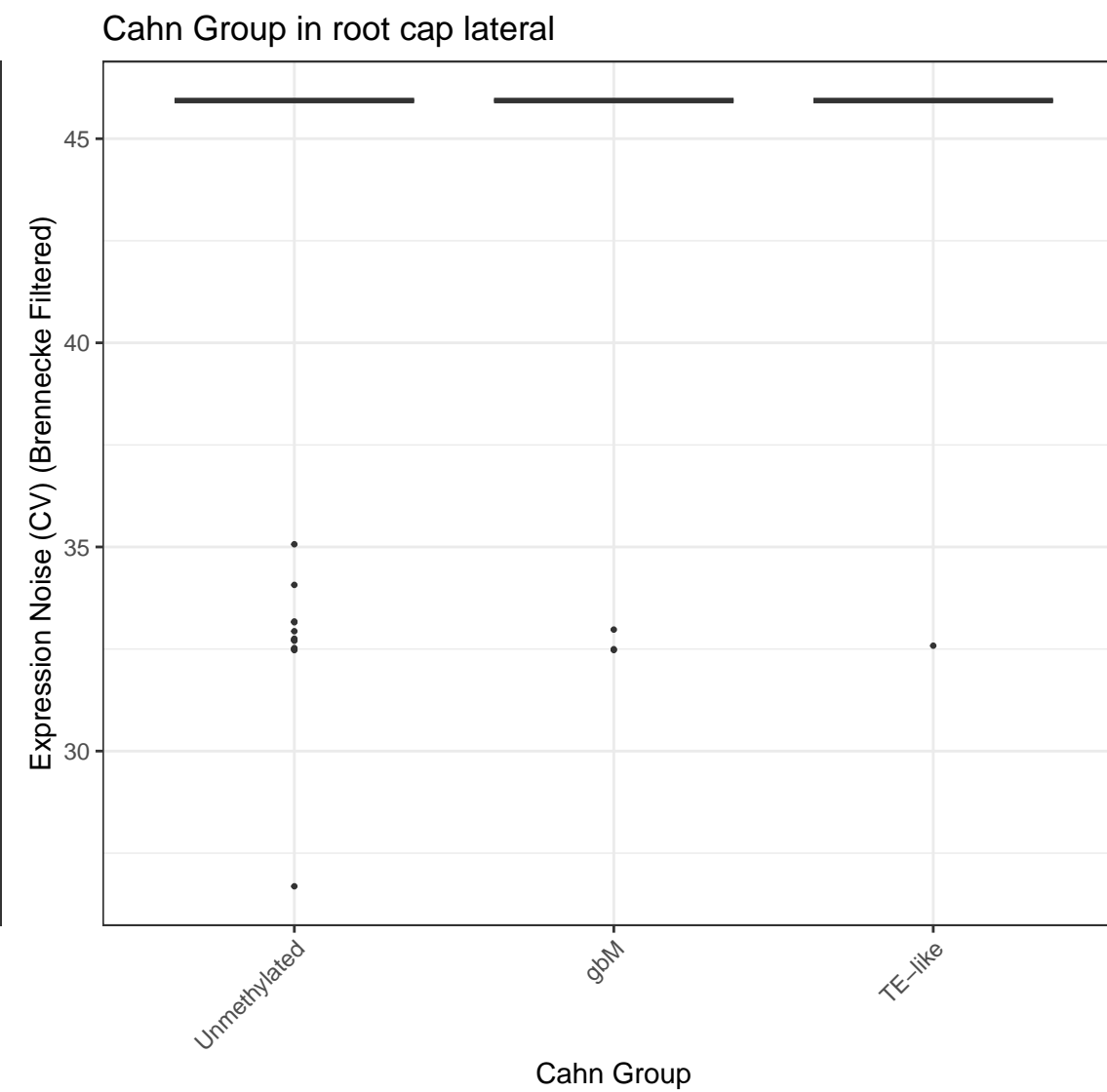
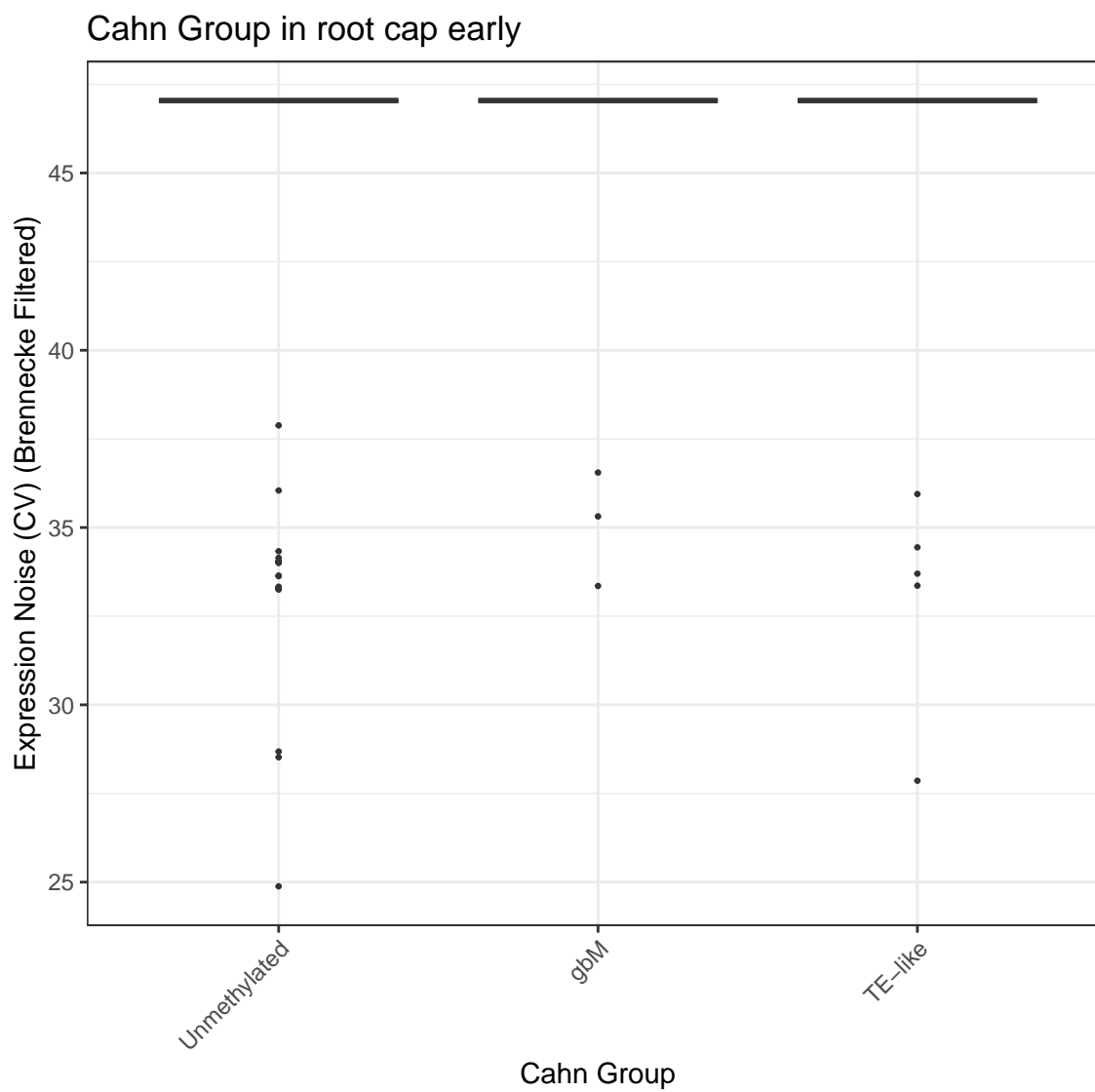
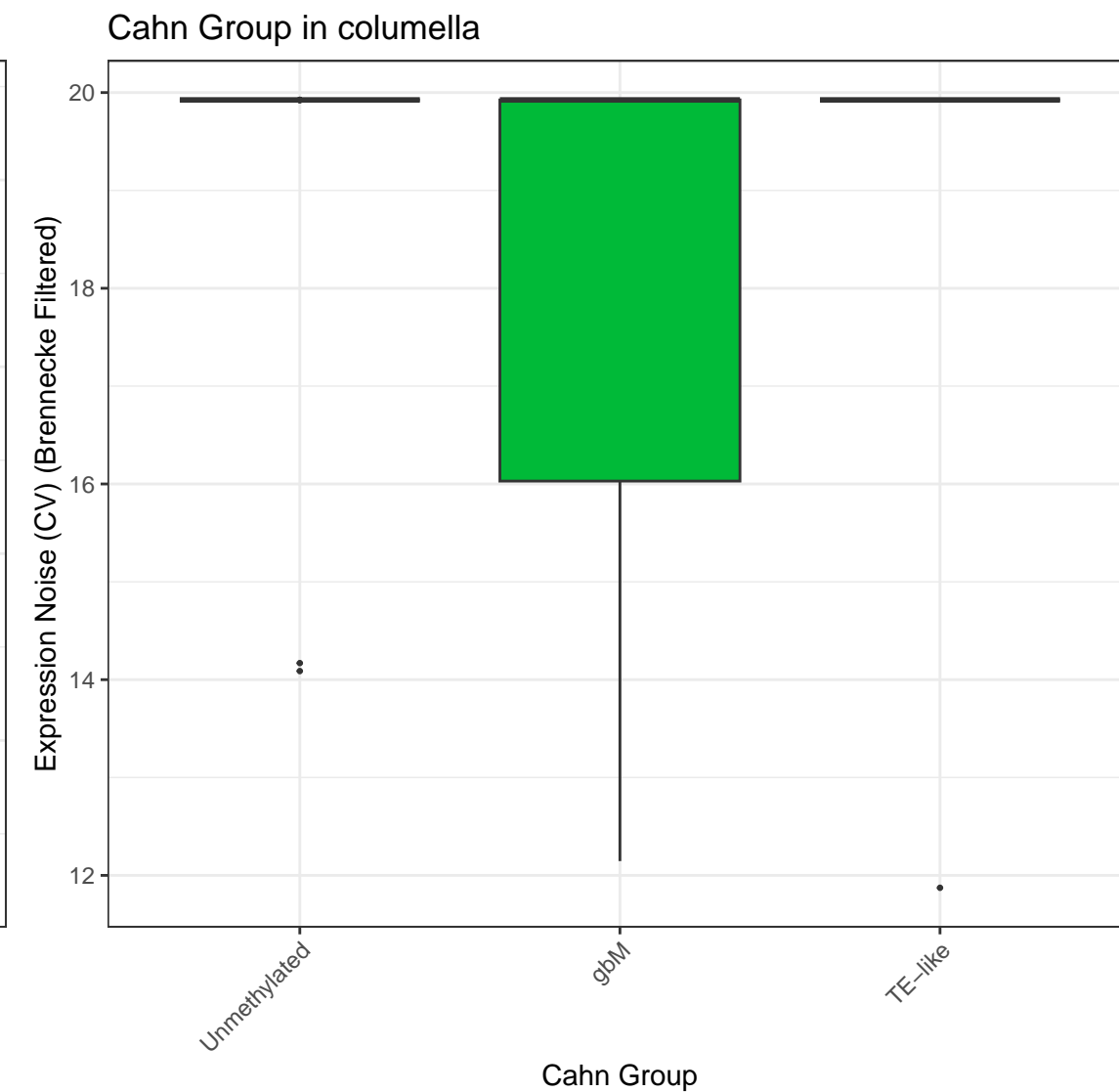
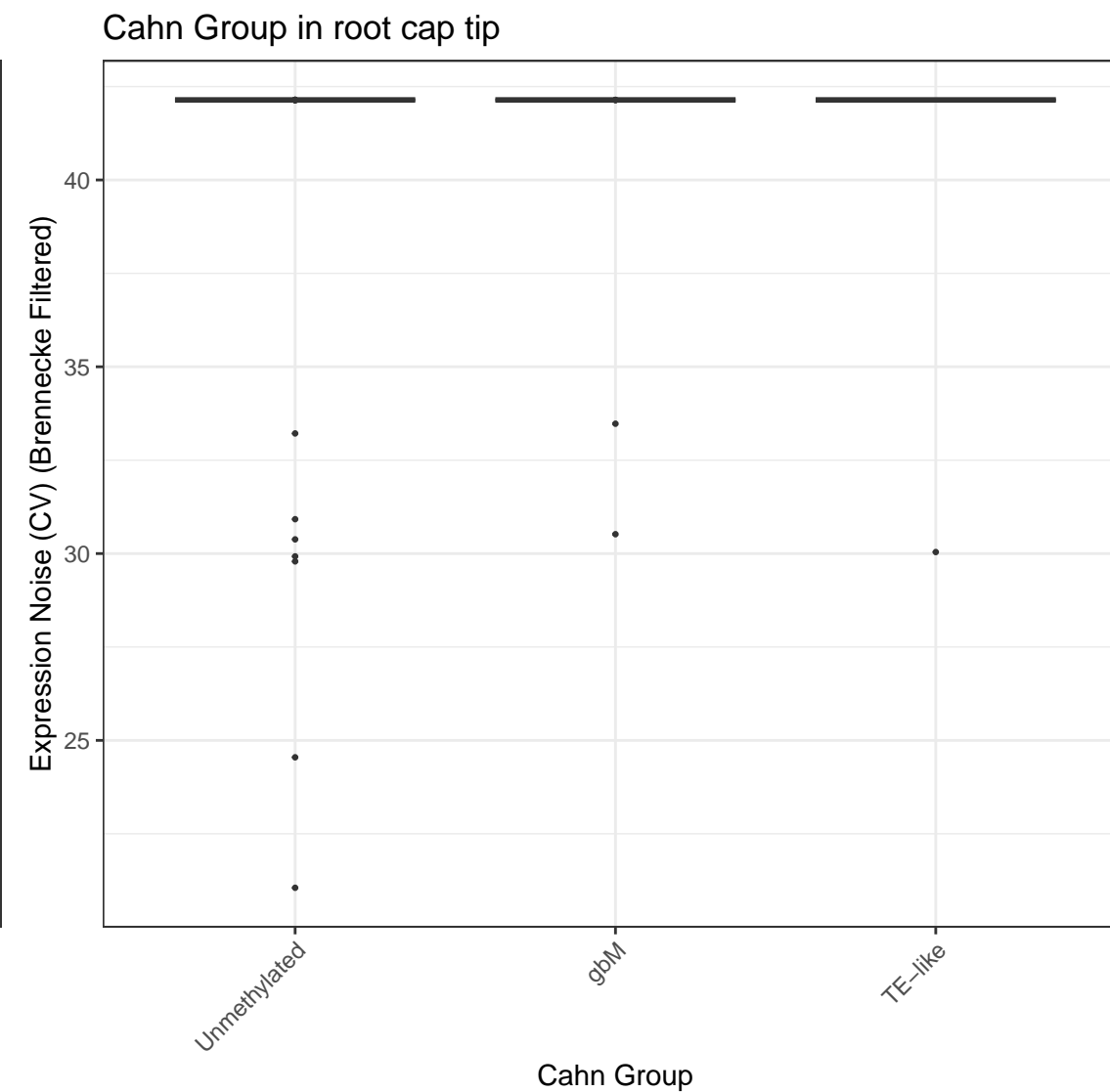
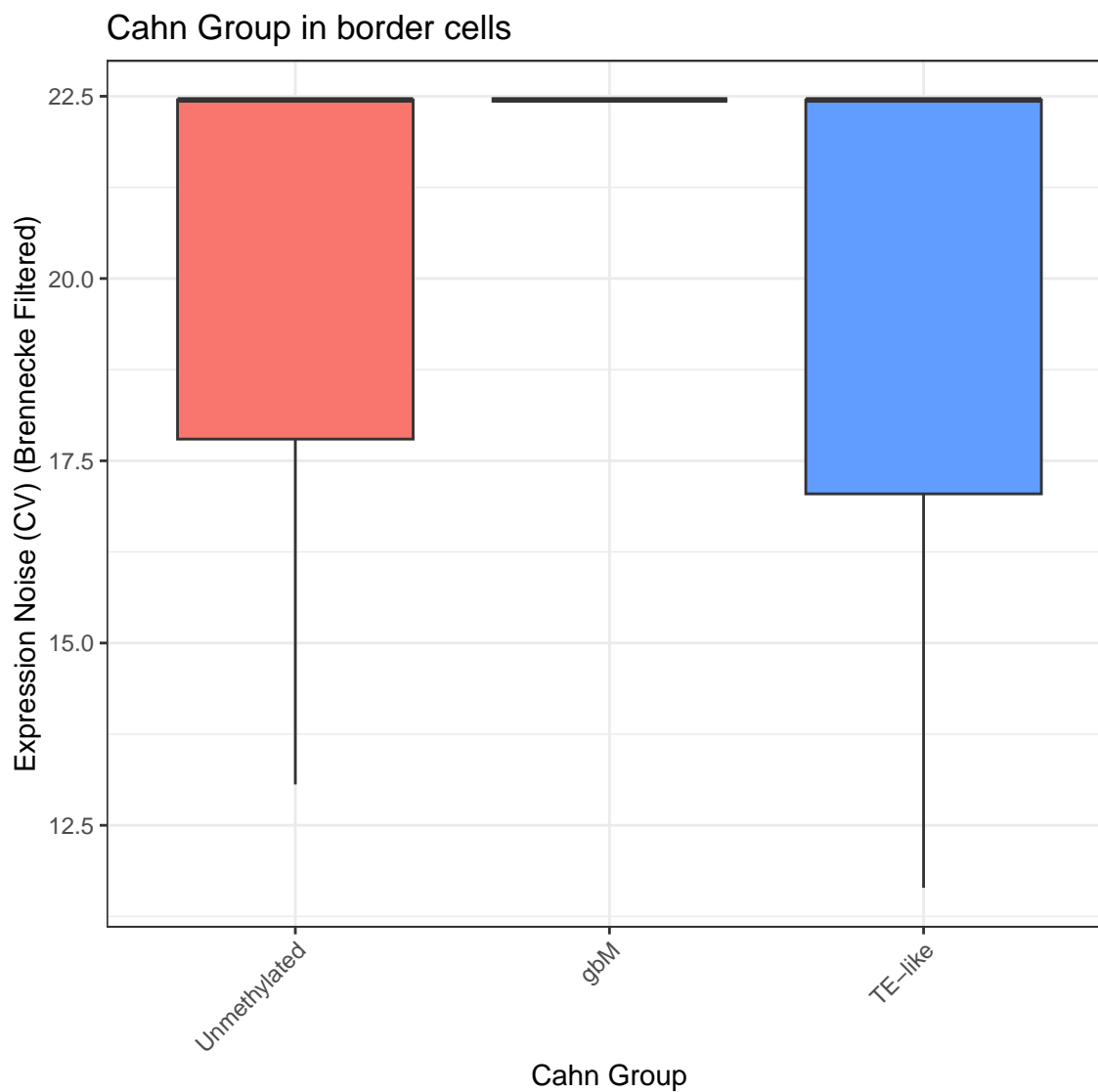
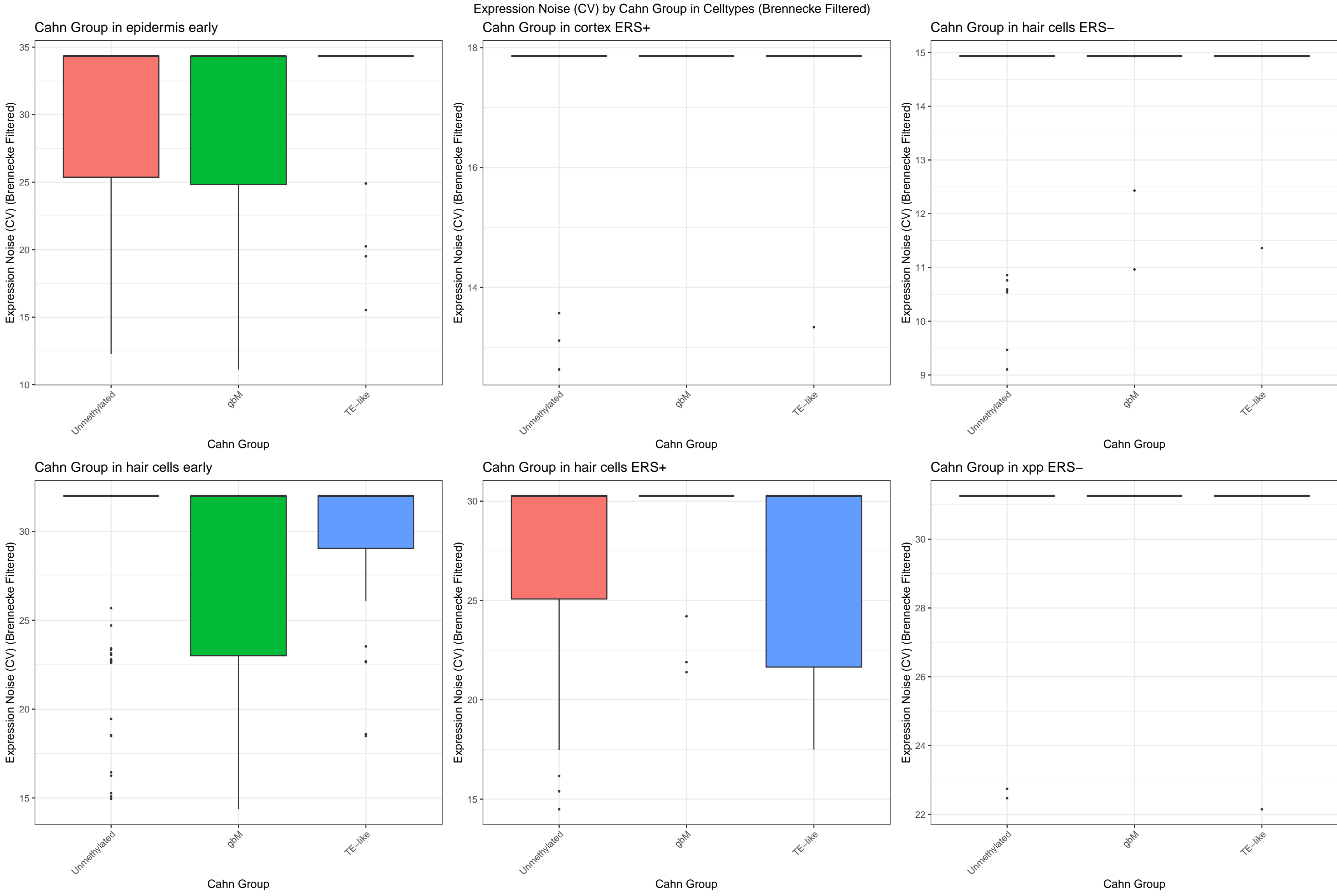
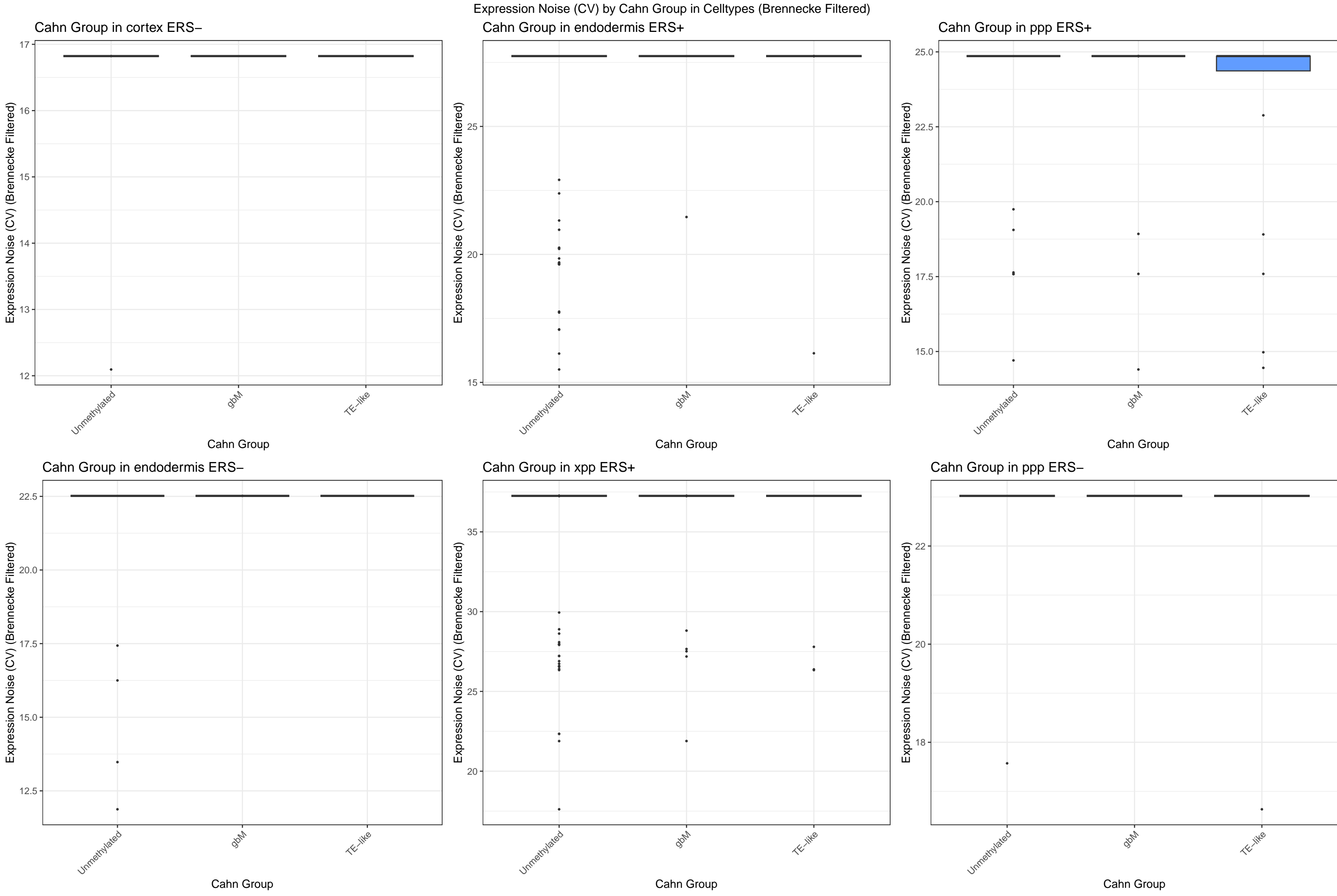




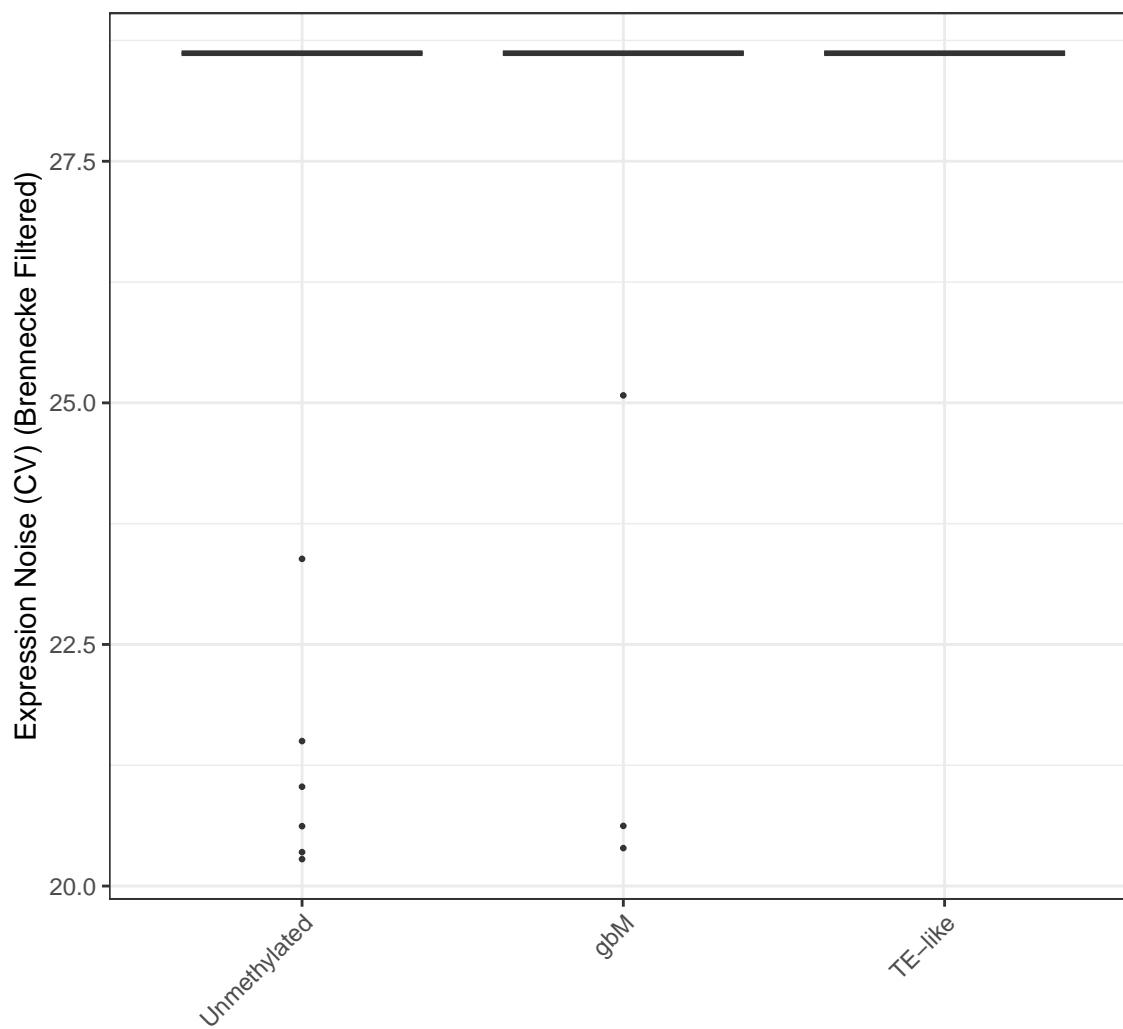
Expression Noise (CV) by Cahn Group in Celltypes (Brennecke Filtered)



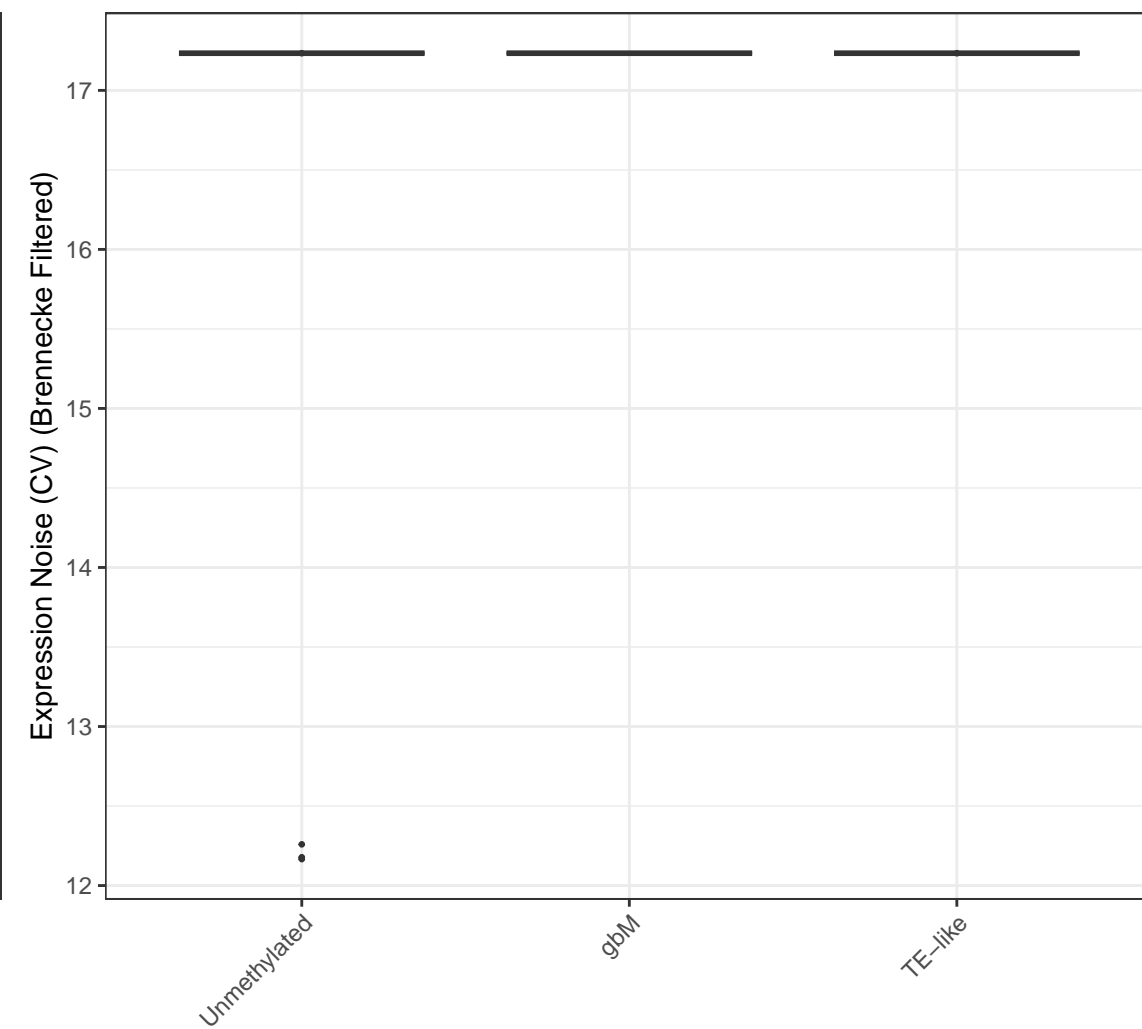




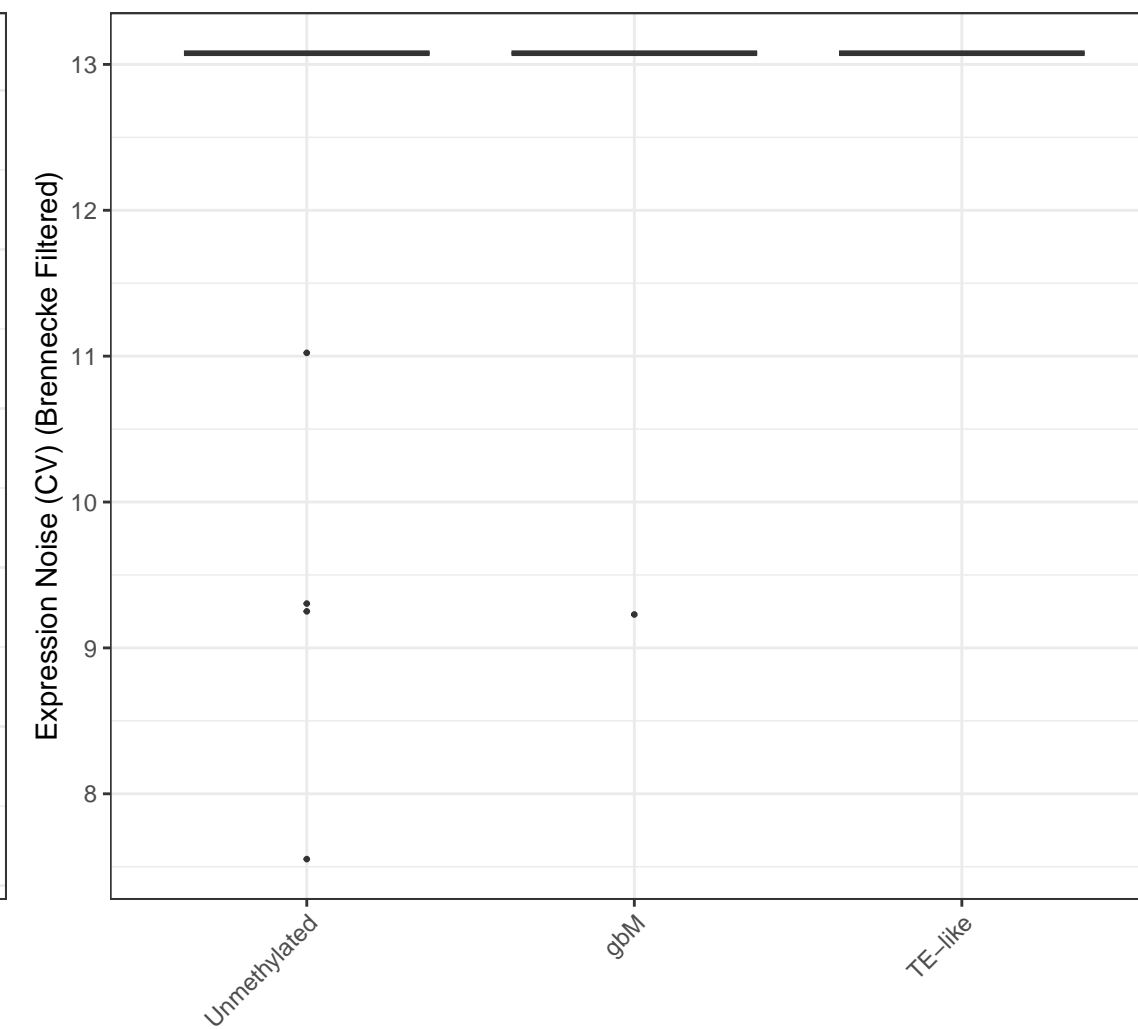
Cahn Group in procambium ERS+



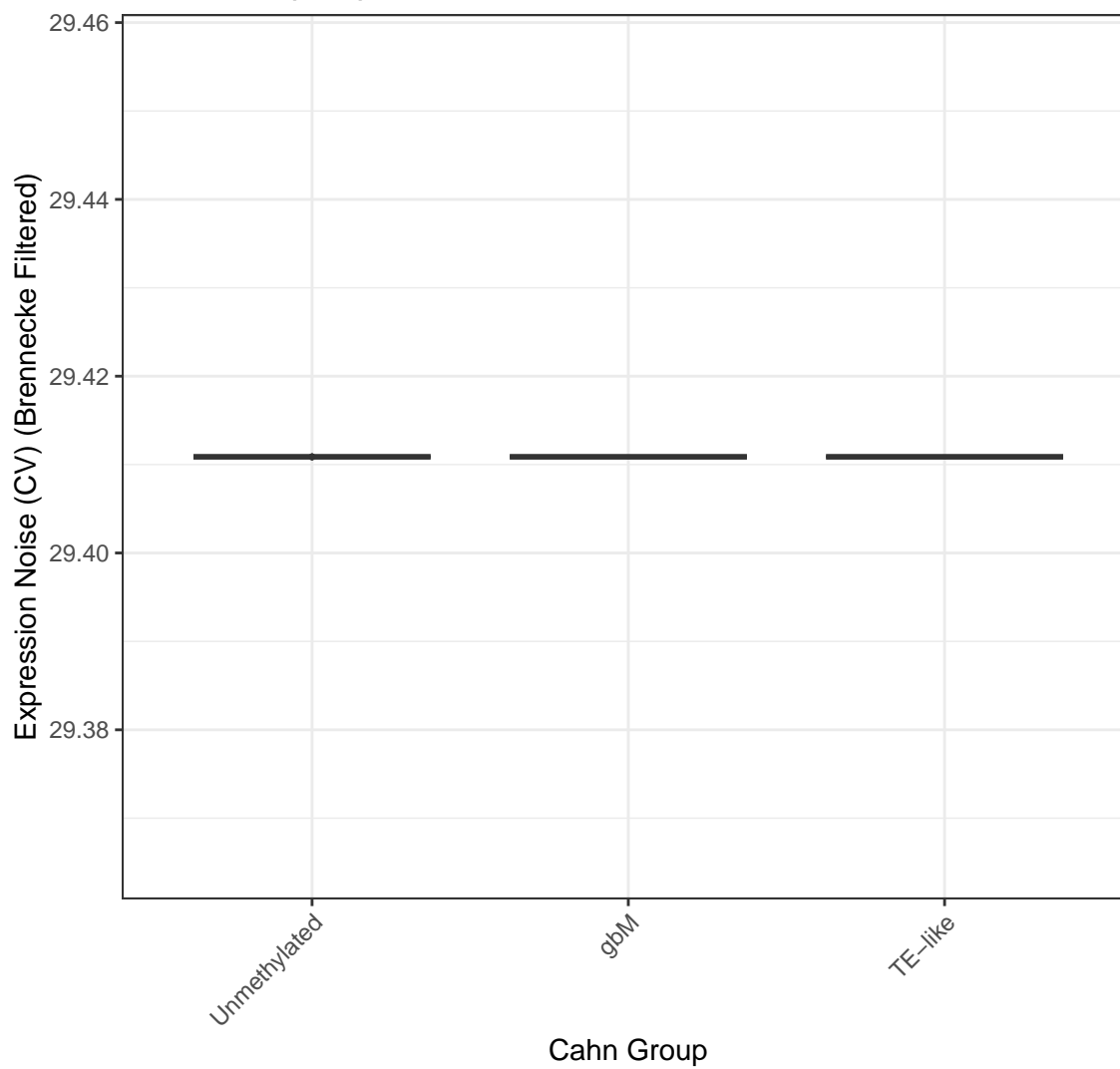
Expression Noise (CV) by Cahn Group in Celltypes (Brennecke Filtered)  
Cahn Group in protophloem ERS–



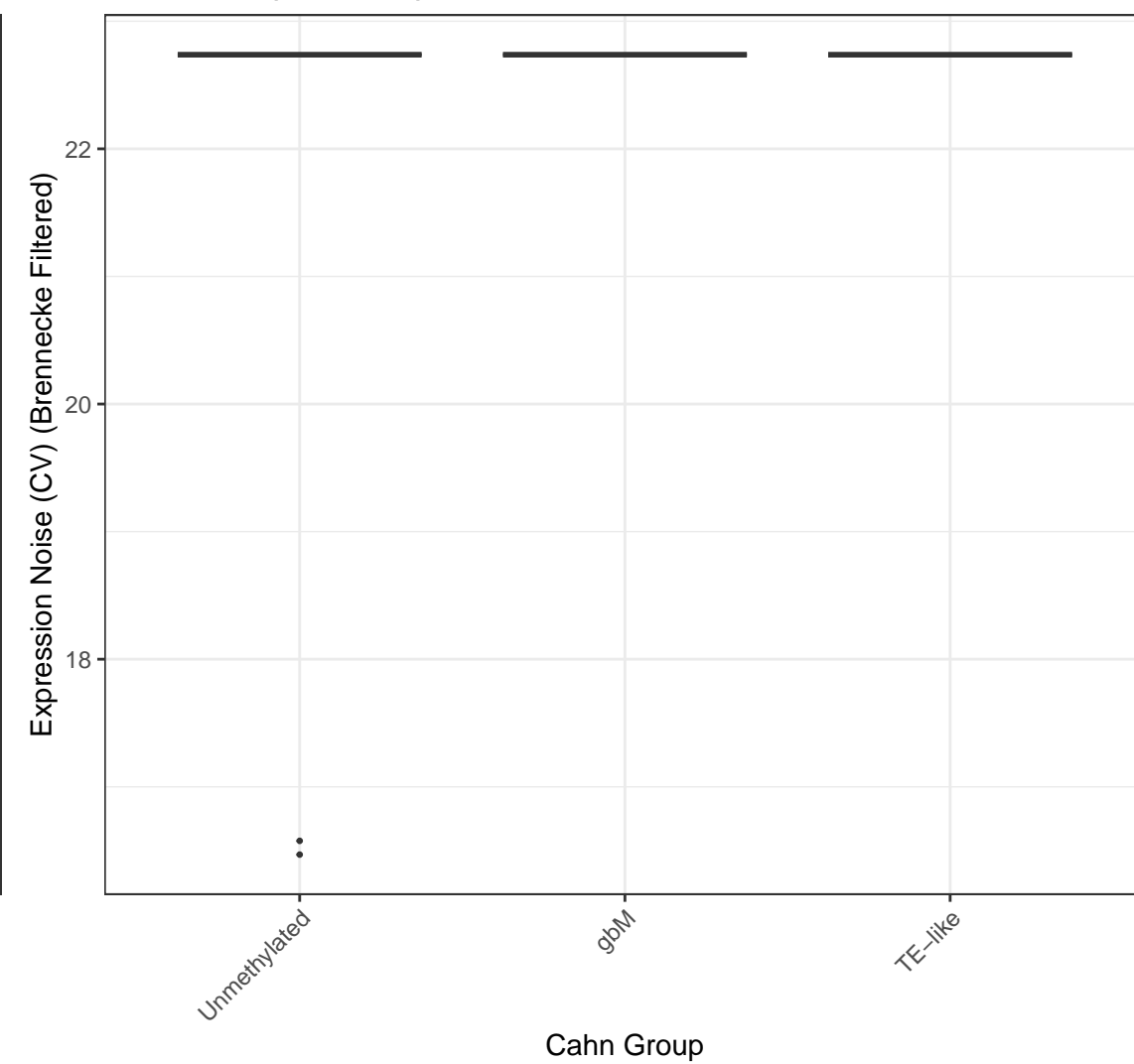
Cahn Group in protophloem ERS+



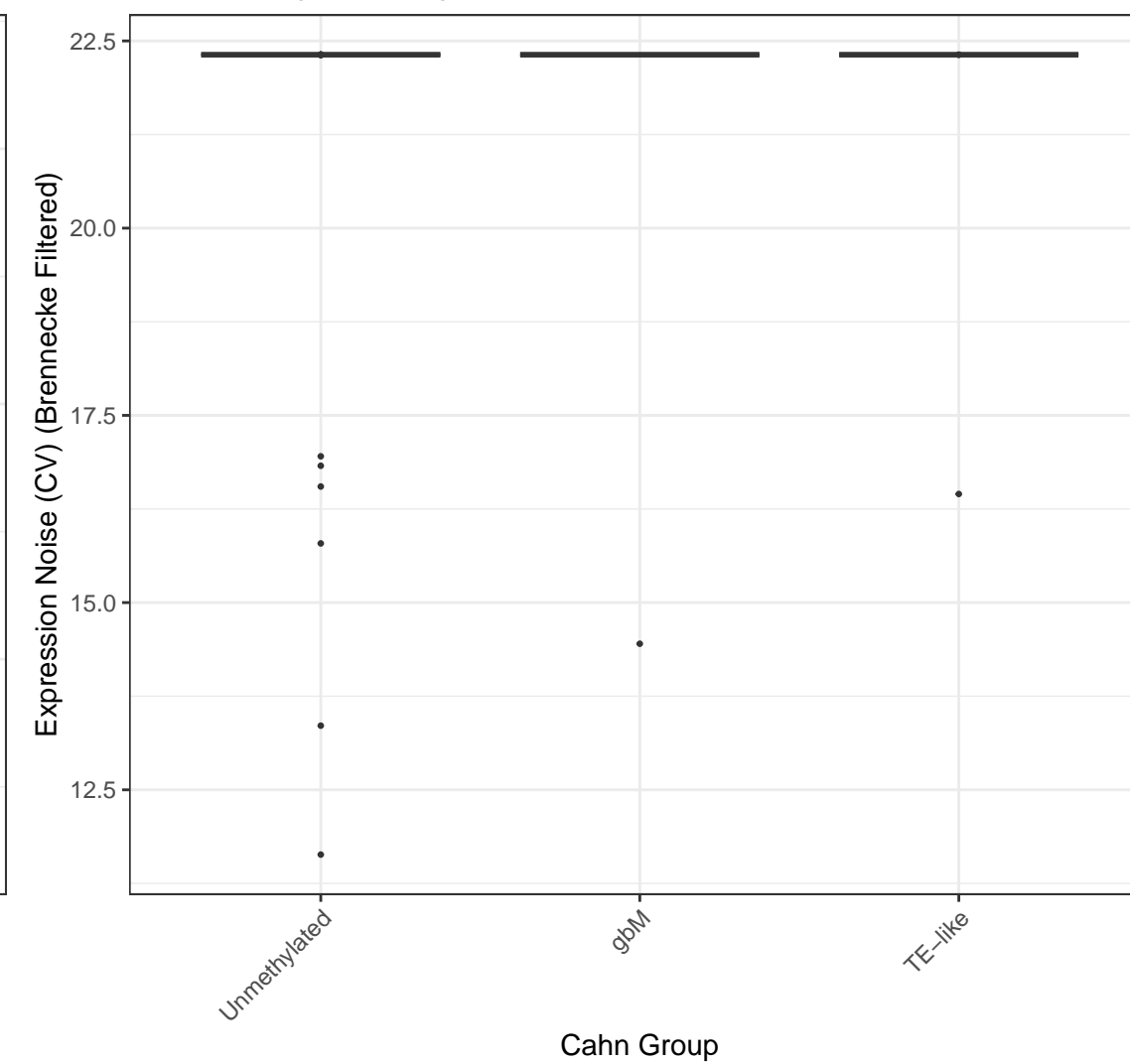
Cahn Group in procambium ERS–

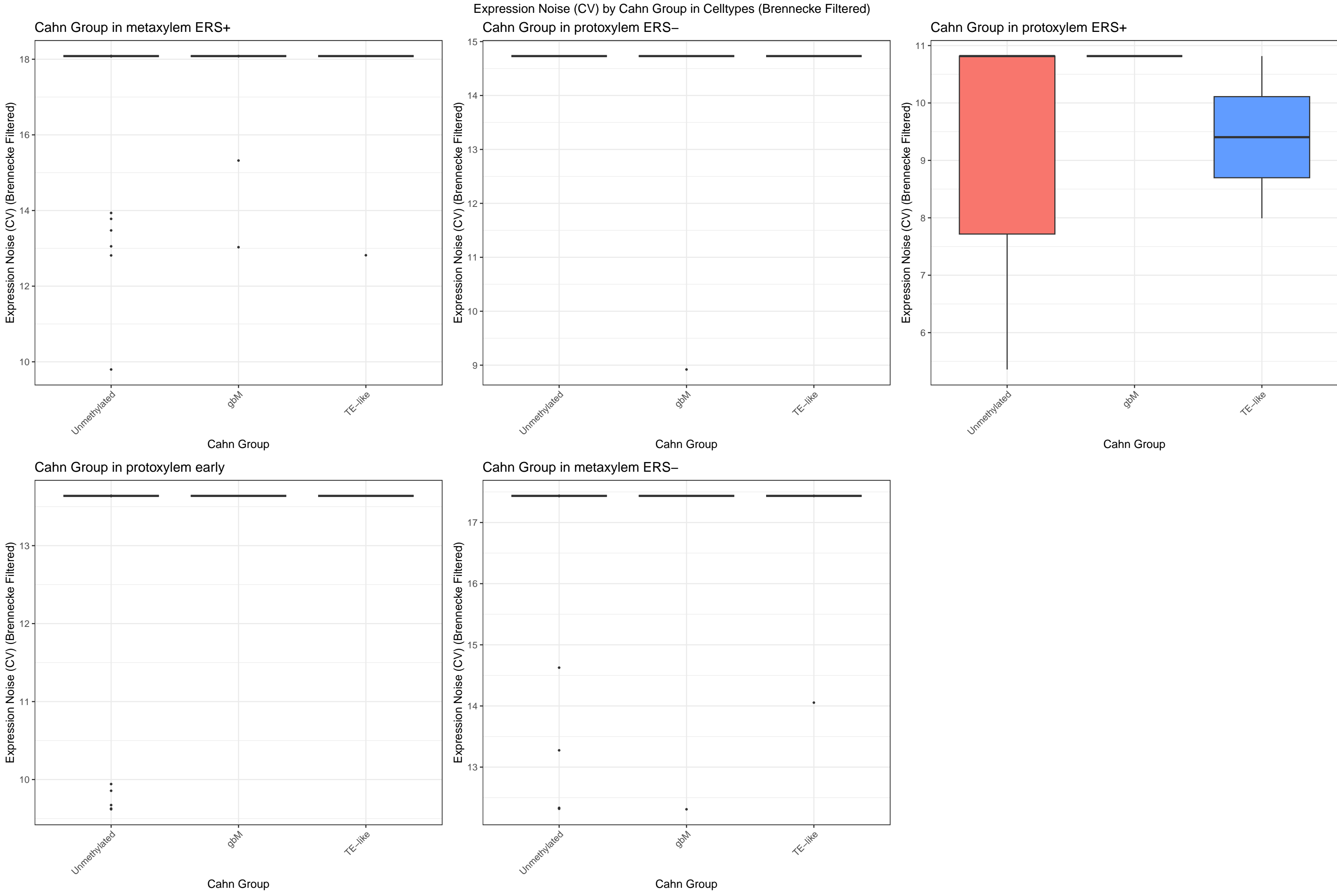


Cahn Group in metaphloem ERS–



Cahn Group in metaphloem ERS+







Statistical Comparisons for Expression Noise (CV) by Cahn Group in Celltypes (Brennecke Filtered)

| Context             | Filter_Tag         | Specific_Context | Group_Type | Comparison               | P_value_Formatted |
|---------------------|--------------------|------------------|------------|--------------------------|-------------------|
| CV Expr by Celltype | Brennecke Filtered | border cells     | cahn_group | Overall (Kruskal–Wallis) | 9.2674e−01        |
| CV Expr by Celltype | Brennecke Filtered | border cells     | cahn_group | gbM vs Unmethylated      | 8.3733e−01        |
| CV Expr by Celltype | Brennecke Filtered | border cells     | cahn_group | TE–like vs Unmethylated  | 8.1001e−01        |
| CV Expr by Celltype | Brennecke Filtered | root cap early   | cahn_group | Overall (Kruskal–Wallis) | 8.9105e−01        |
| CV Expr by Celltype | Brennecke Filtered | root cap early   | cahn_group | gbM vs Unmethylated      | 8.7904e−01        |
| CV Expr by Celltype | Brennecke Filtered | root cap early   | cahn_group | TE–like vs Unmethylated  | 7.5774e−01        |
| CV Expr by Celltype | Brennecke Filtered | root cap tip     | cahn_group | Overall (Kruskal–Wallis) | 3.7243e−01        |
| CV Expr by Celltype | Brennecke Filtered | root cap tip     | cahn_group | gbM vs Unmethylated      | 5.6256e−01        |
| CV Expr by Celltype | Brennecke Filtered | root cap tip     | cahn_group | TE–like vs Unmethylated  | 3.3278e−01        |
| CV Expr by Celltype | Brennecke Filtered | root cap lateral | cahn_group | Overall (Kruskal–Wallis) | 3.0499e−01        |
| CV Expr by Celltype | Brennecke Filtered | root cap lateral | cahn_group | gbM vs Unmethylated      | 4.3670e−01        |
| CV Expr by Celltype | Brennecke Filtered | root cap lateral | cahn_group | TE–like vs Unmethylated  | 5.9552e−01        |
| CV Expr by Celltype | Brennecke Filtered | columella        | cahn_group | Overall (Kruskal–Wallis) | 1.2334e−01        |
| CV Expr by Celltype | Brennecke Filtered | columella        | cahn_group | gbM vs Unmethylated      | 1.3589e−01        |
| CV Expr by Celltype | Brennecke Filtered | columella        | cahn_group | TE–like vs Unmethylated  | 6.6668e−01        |
| CV Expr by Celltype | Brennecke Filtered | non–hair cells   | cahn_group | Overall (Kruskal–Wallis) | 1.3112e−01        |
| CV Expr by Celltype | Brennecke Filtered | non–hair cells   | cahn_group | gbM vs Unmethylated      | 7.1395e−01        |
| CV Expr by Celltype | Brennecke Filtered | non–hair cells   | cahn_group | TE–like vs Unmethylated  | 9.8149e−02        |
| CV Expr by Celltype | Brennecke Filtered | epidermis early  | cahn_group | Overall (Kruskal–Wallis) | 1.3466e−01        |
| CV Expr by Celltype | Brennecke Filtered | epidermis early  | cahn_group | gbM vs Unmethylated      | 8.2115e−01        |
| CV Expr by Celltype | Brennecke Filtered | epidermis early  | cahn_group | TE–like vs Unmethylated  | 9.6592e−02        |
| CV Expr by Celltype | Brennecke Filtered | hair cells early | cahn_group | Overall (Kruskal–Wallis) | 6.4081e−01        |
| CV Expr by Celltype | Brennecke Filtered | hair cells early | cahn_group | gbM vs Unmethylated      | 3.4890e−01        |
| CV Expr by Celltype | Brennecke Filtered | hair cells early | cahn_group | TE–like vs Unmethylated  | 8.6620e−01        |
| CV Expr by Celltype | Brennecke Filtered | cortex ERS+      | cahn_group | Overall (Kruskal–Wallis) | 4.8714e−02        |
| CV Expr by Celltype | Brennecke Filtered | cortex ERS+      | cahn_group | gbM vs Unmethylated      | 2.3715e−01        |
| CV Expr by Celltype | Brennecke Filtered | cortex ERS+      | cahn_group | TE–like vs Unmethylated  | 7.5078e−01        |
| CV Expr by Celltype | Brennecke Filtered | hair cells ERS+  | cahn_group | Overall (Kruskal–Wallis) | 5.5004e−01        |
| CV Expr by Celltype | Brennecke Filtered | hair cells ERS+  | cahn_group | gbM vs Unmethylated      | 7.5389e−01        |
| CV Expr by Celltype | Brennecke Filtered | hair cells ERS+  | cahn_group | TE–like vs Unmethylated  | 4.6036e−01        |



Statistical Comparisons for Expression Noise (CV) by Cahn Group in Celltypes (Brennecke Filtered)

| Context             | Filter_Tag         | Specific_Context | Group_Type | Comparison               | P_value_Formatted |
|---------------------|--------------------|------------------|------------|--------------------------|-------------------|
| CV Expr by Celltype | Brennecke Filtered | hair cells ERS-  | cahn_group | Overall (Kruskal-Wallis) | 5.8478e-01        |
| CV Expr by Celltype | Brennecke Filtered | hair cells ERS-  | cahn_group | gbM vs Unmethylated      | 4.5401e-01        |
| CV Expr by Celltype | Brennecke Filtered | hair cells ERS-  | cahn_group | TE-like vs Unmethylated  | 9.0457e-01        |
| CV Expr by Celltype | Brennecke Filtered | xpp ERS-         | cahn_group | Overall (Kruskal-Wallis) | 2.5489e-01        |
| CV Expr by Celltype | Brennecke Filtered | xpp ERS-         | cahn_group | gbM vs Unmethylated      | 8.3499e-01        |
| CV Expr by Celltype | Brennecke Filtered | xpp ERS-         | cahn_group | TE-like vs Unmethylated  | 4.1275e-01        |
| CV Expr by Celltype | Brennecke Filtered | cortex ERS-      | cahn_group | Overall (Kruskal-Wallis) | 1.0350e-01        |
| CV Expr by Celltype | Brennecke Filtered | cortex ERS-      | cahn_group | gbM vs Unmethylated      | 4.1629e-01        |
| CV Expr by Celltype | Brennecke Filtered | cortex ERS-      | cahn_group | TE-like vs Unmethylated  | 5.3277e-01        |
| CV Expr by Celltype | Brennecke Filtered | endodermis ERS-  | cahn_group | Overall (Kruskal-Wallis) | 1.4259e-02        |
| CV Expr by Celltype | Brennecke Filtered | endodermis ERS-  | cahn_group | gbM vs Unmethylated      | 1.2135e-01        |
| CV Expr by Celltype | Brennecke Filtered | endodermis ERS-  | cahn_group | TE-like vs Unmethylated  | 3.3878e-01        |
| CV Expr by Celltype | Brennecke Filtered | endodermis ERS+  | cahn_group | Overall (Kruskal-Wallis) | 8.4215e-02        |
| CV Expr by Celltype | Brennecke Filtered | endodermis ERS+  | cahn_group | gbM vs Unmethylated      | 4.5096e-01        |
| CV Expr by Celltype | Brennecke Filtered | endodermis ERS+  | cahn_group | TE-like vs Unmethylated  | 1.2179e-01        |
| CV Expr by Celltype | Brennecke Filtered | xpp ERS+         | cahn_group | Overall (Kruskal-Wallis) | 6.6810e-03        |
| CV Expr by Celltype | Brennecke Filtered | xpp ERS+         | cahn_group | gbM vs Unmethylated      | 3.6411e-01        |
| CV Expr by Celltype | Brennecke Filtered | xpp ERS+         | cahn_group | TE-like vs Unmethylated  | 3.2102e-02        |
| CV Expr by Celltype | Brennecke Filtered | ppp ERS+         | cahn_group | Overall (Kruskal-Wallis) | 4.8398e-04        |
| CV Expr by Celltype | Brennecke Filtered | ppp ERS+         | cahn_group | gbM vs Unmethylated      | 1.6569e-01        |
| CV Expr by Celltype | Brennecke Filtered | ppp ERS+         | cahn_group | TE-like vs Unmethylated  | 1.1649e-02        |
| CV Expr by Celltype | Brennecke Filtered | ppp ERS-         | cahn_group | Overall (Kruskal-Wallis) | 6.8709e-01        |
| CV Expr by Celltype | Brennecke Filtered | ppp ERS-         | cahn_group | gbM vs Unmethylated      | 7.1845e-01        |
| CV Expr by Celltype | Brennecke Filtered | ppp ERS-         | cahn_group | TE-like vs Unmethylated  | 8.9340e-01        |
| CV Expr by Celltype | Brennecke Filtered | procambium ERS+  | cahn_group | Overall (Kruskal-Wallis) | 4.1979e-03        |
| CV Expr by Celltype | Brennecke Filtered | procambium ERS+  | cahn_group | gbM vs Unmethylated      | 8.8420e-01        |
| CV Expr by Celltype | Brennecke Filtered | procambium ERS+  | cahn_group | TE-like vs Unmethylated  | 6.4592e-02        |
| CV Expr by Celltype | Brennecke Filtered | procambium ERS-  | cahn_group | Overall (Kruskal-Wallis) | 0.0000e+00        |
| CV Expr by Celltype | Brennecke Filtered | procambium ERS-  | cahn_group | gbM vs Unmethylated      | 8.3270e-01        |
| CV Expr by Celltype | Brennecke Filtered | procambium ERS-  | cahn_group | TE-like vs Unmethylated  | 8.5849e-04        |

Statistical Comparisons for Expression Noise (CV) by Cahn Group in Celltypes (Brennecke Filtered)

| Context             | Filter_Tag         | Specific_Context | Group_Type | Comparison               | P_value_Formatted |
|---------------------|--------------------|------------------|------------|--------------------------|-------------------|
| CV Expr by Celltype | Brennecke Filtered | protophloem ERS− | cahn_group | Overall (Kruskal–Wallis) | 3.4669e−01        |
| CV Expr by Celltype | Brennecke Filtered | protophloem ERS− | cahn_group | gbM vs Unmethylated      | 4.9959e−01        |
| CV Expr by Celltype | Brennecke Filtered | protophloem ERS− | cahn_group | TE−like vs Unmethylated  | 3.7272e−01        |
| CV Expr by Celltype | Brennecke Filtered | metaphloem ERS−  | cahn_group | TE−like vs Unmethylated  | 1.8996e−01        |
| CV Expr by Celltype | Brennecke Filtered | protophloem ERS+ | cahn_group | Overall (Kruskal–Wallis) | 6.9954e−02        |
| CV Expr by Celltype | Brennecke Filtered | protophloem ERS+ | cahn_group | gbM vs Unmethylated      | 3.4107e−01        |
| CV Expr by Celltype | Brennecke Filtered | protophloem ERS+ | cahn_group | TE−like vs Unmethylated  | 3.4447e−01        |
| CV Expr by Celltype | Brennecke Filtered | metaphloem ERS+  | cahn_group | Overall (Kruskal–Wallis) | 1.5160e−02        |
| CV Expr by Celltype | Brennecke Filtered | metaphloem ERS+  | cahn_group | gbM vs Unmethylated      | 6.1283e−02        |
| CV Expr by Celltype | Brennecke Filtered | metaphloem ERS+  | cahn_group | TE−like vs Unmethylated  | 5.0246e−01        |
| CV Expr by Celltype | Brennecke Filtered | metaxylem ERS+   | cahn_group | Overall (Kruskal–Wallis) | 4.0627e−01        |
| CV Expr by Celltype | Brennecke Filtered | metaxylem ERS+   | cahn_group | gbM vs Unmethylated      | 9.0523e−01        |
| CV Expr by Celltype | Brennecke Filtered | metaxylem ERS+   | cahn_group | TE−like vs Unmethylated  | 4.0704e−01        |
| CV Expr by Celltype | Brennecke Filtered | protoxylem early | cahn_group | Overall (Kruskal–Wallis) | 1.3101e−01        |
| CV Expr by Celltype | Brennecke Filtered | protoxylem early | cahn_group | gbM vs Unmethylated      | 1.0000e+00        |
| CV Expr by Celltype | Brennecke Filtered | protoxylem early | cahn_group | TE−like vs Unmethylated  | 1.9727e−01        |
| CV Expr by Celltype | Brennecke Filtered | protoxylem ERS−  | cahn_group | Overall (Kruskal–Wallis) | 5.7331e−05        |
| CV Expr by Celltype | Brennecke Filtered | protoxylem ERS−  | cahn_group | gbM vs Unmethylated      | 1.0626e−01        |
| CV Expr by Celltype | Brennecke Filtered | protoxylem ERS−  | cahn_group | TE−like vs Unmethylated  | 8.6959e−01        |
| CV Expr by Celltype | Brennecke Filtered | metaxylem ERS−   | cahn_group | Overall (Kruskal–Wallis) | 3.8290e−01        |
| CV Expr by Celltype | Brennecke Filtered | metaxylem ERS−   | cahn_group | gbM vs Unmethylated      | 3.5536e−01        |
| CV Expr by Celltype | Brennecke Filtered | metaxylem ERS−   | cahn_group | TE−like vs Unmethylated  | 7.8166e−01        |
| CV Expr by Celltype | Brennecke Filtered | protoxylem ERS+  | cahn_group | Overall (Kruskal–Wallis) | 5.3192e−02        |
| CV Expr by Celltype | Brennecke Filtered | protoxylem ERS+  | cahn_group | gbM vs Unmethylated      | 1.1218e−01        |
| CV Expr by Celltype | Brennecke Filtered | protoxylem ERS+  | cahn_group | TE−like vs Unmethylated  | 6.6323e−01        |