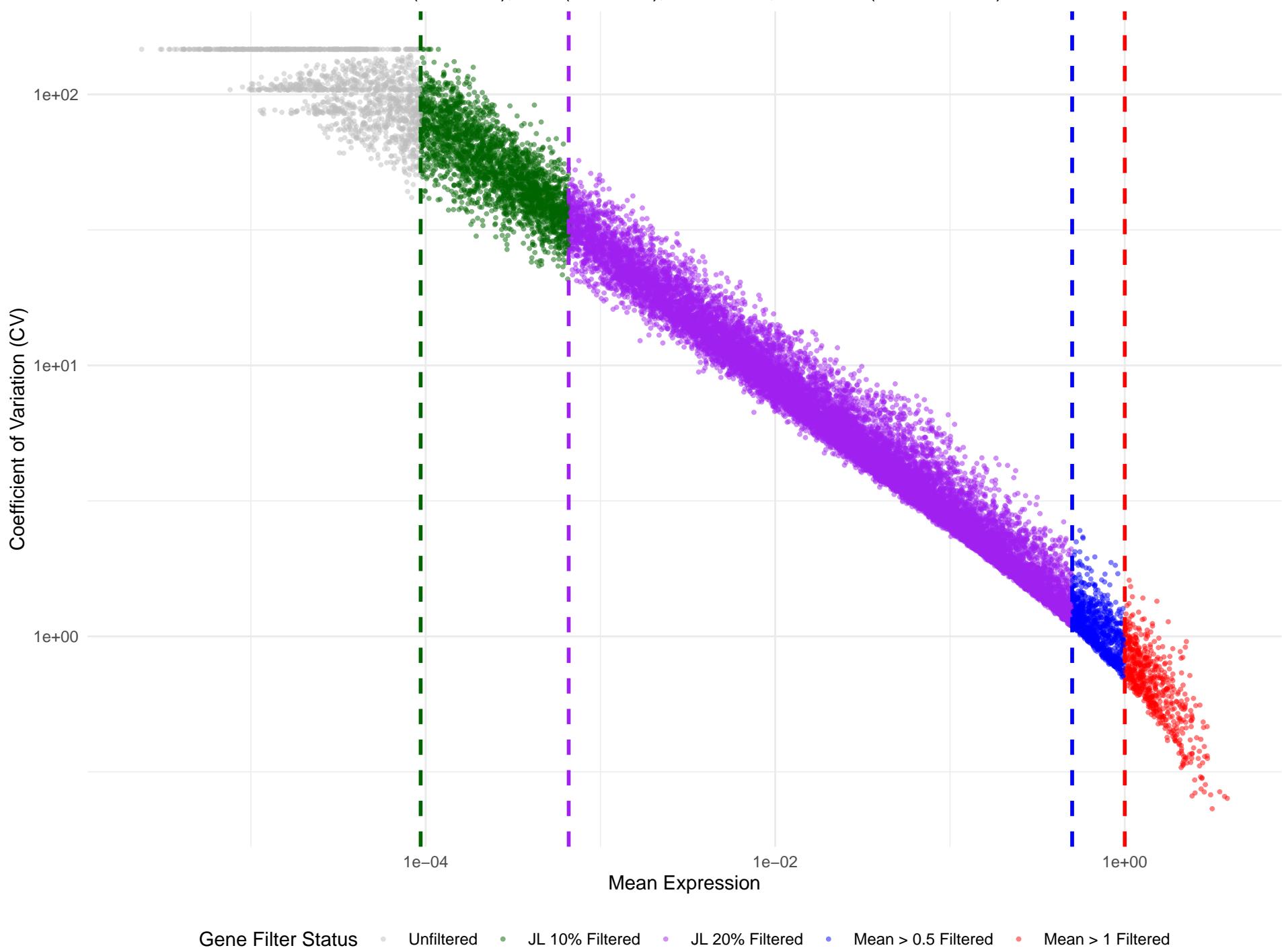
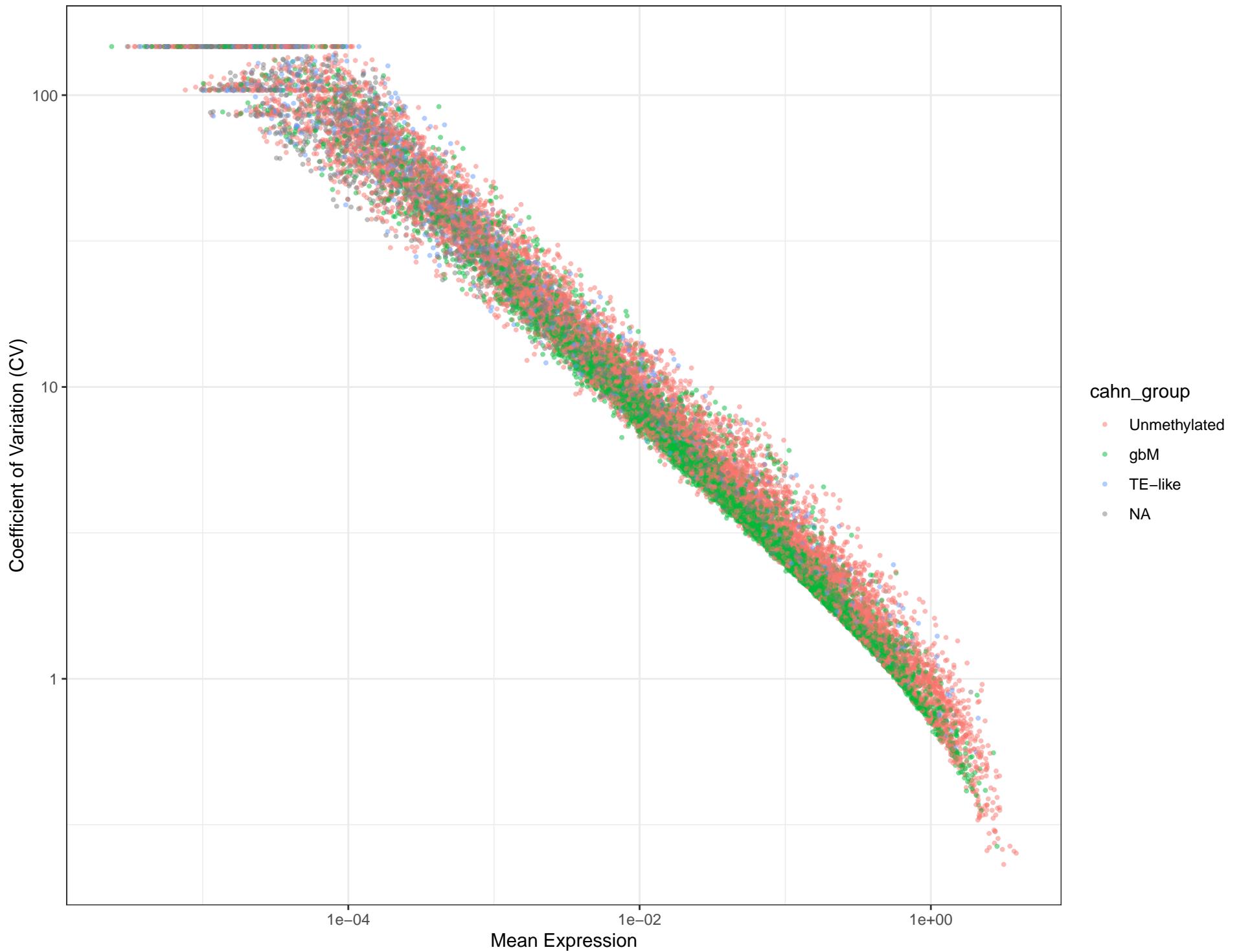


Mean Expression vs CV with James Lloyd Filtering Methods

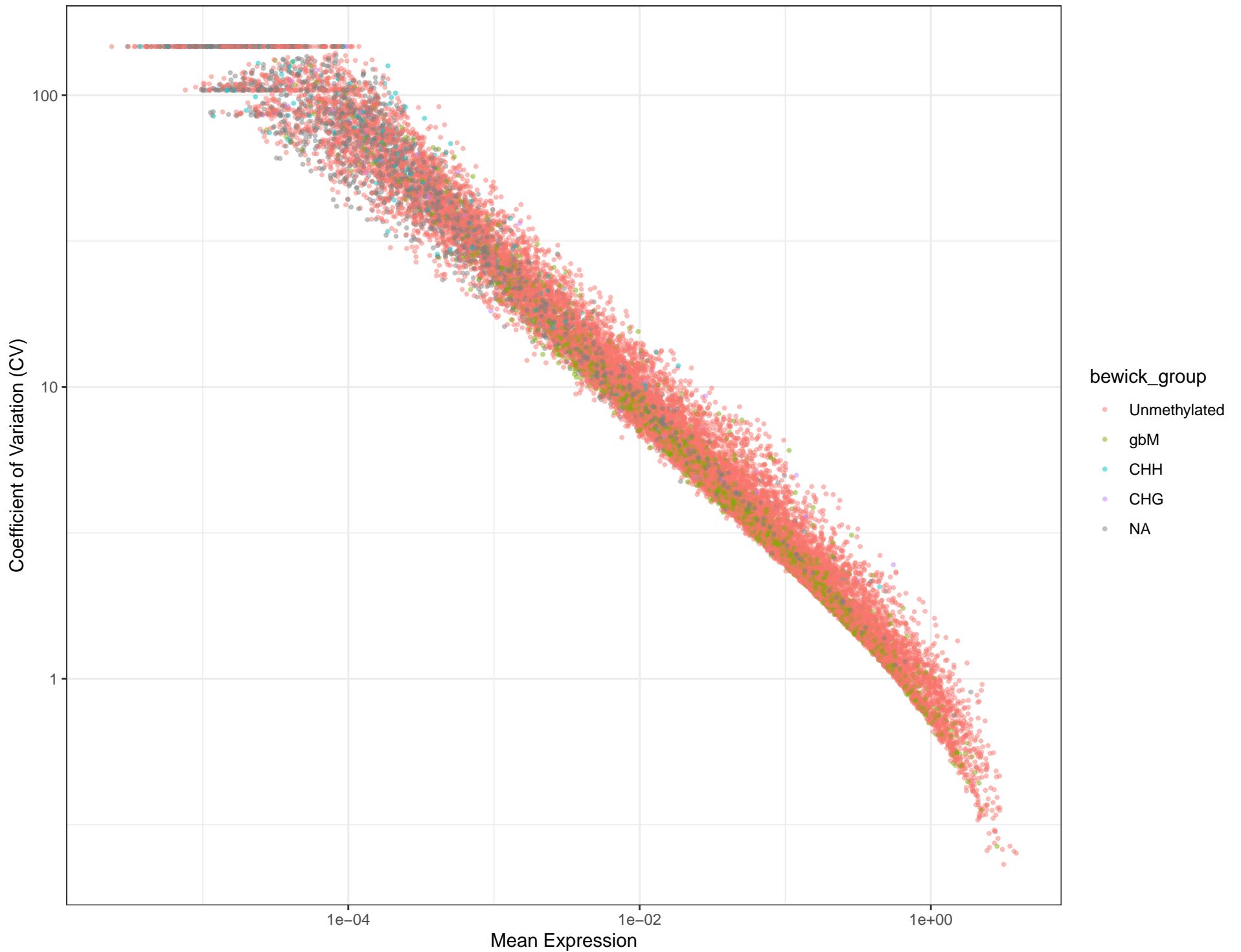
10% (9.36e-05), 20% (6.58e-04), Mean > 0.5, Mean > 1 (Dashed Lines)



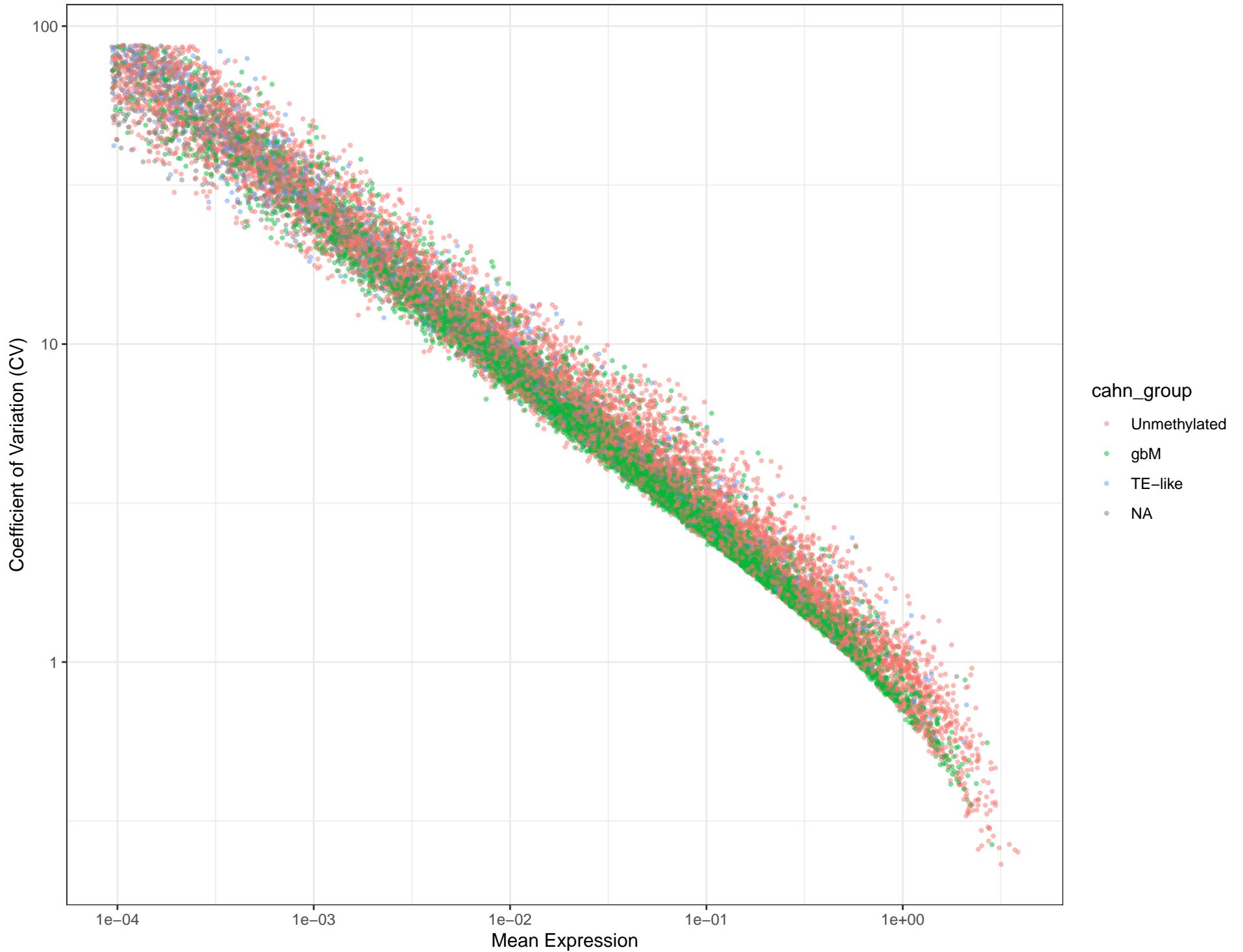
Mean vs CV by Cahn Group (Baseline – Basic Cleaning Only)



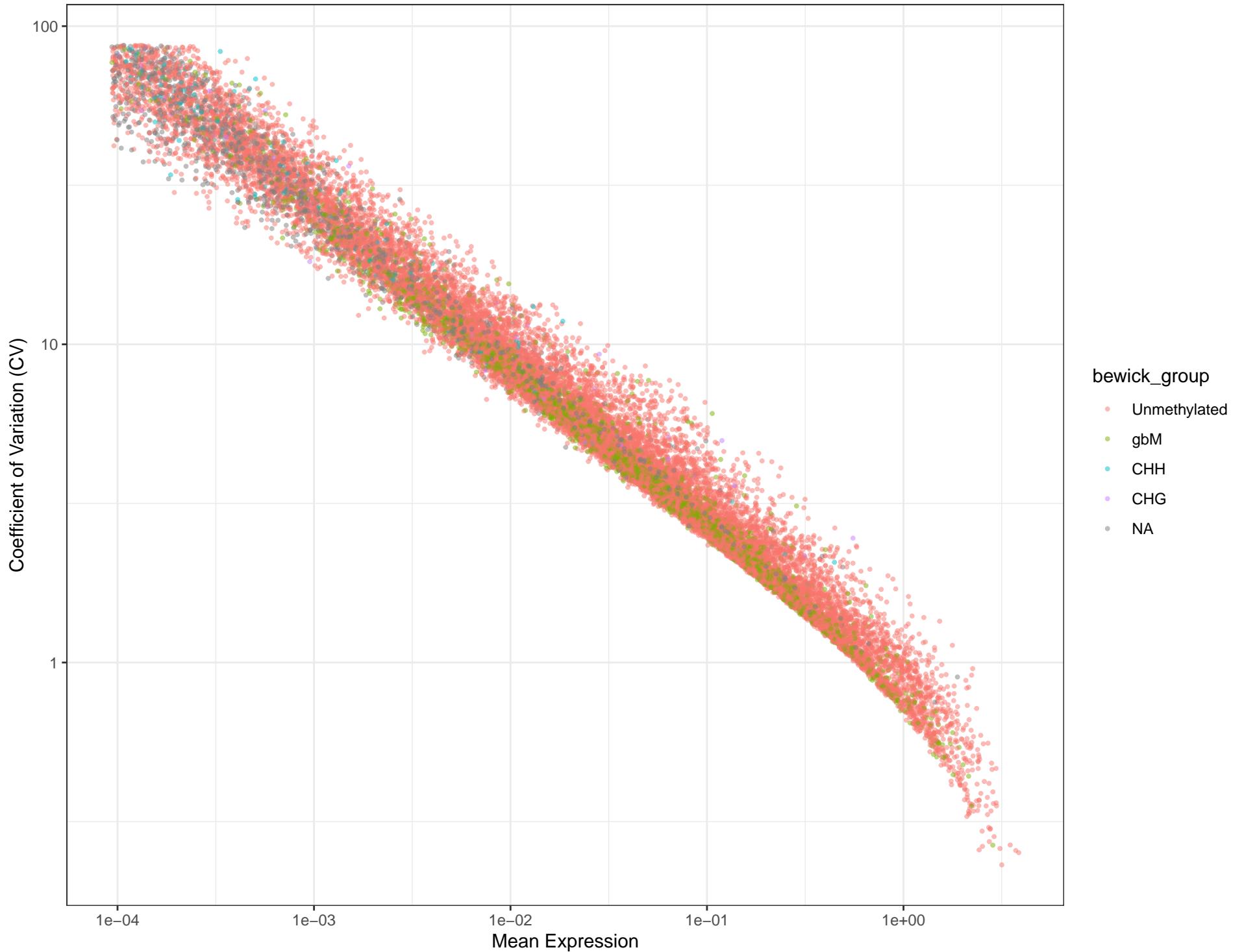
Mean vs CV by Bewick Group (Baseline – Basic Cleaning Only)



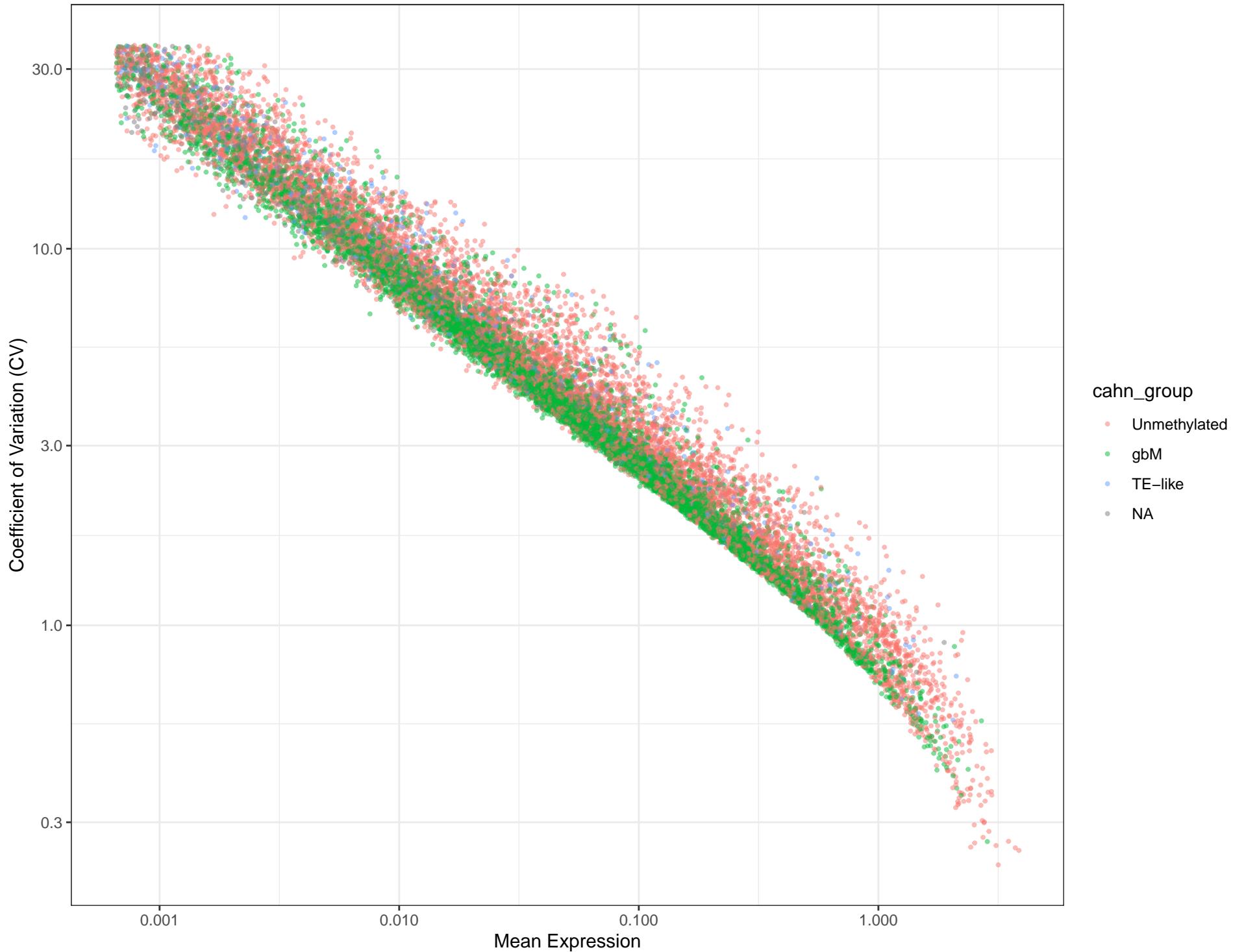
Mean vs CV by Cahn Group (James Lloyd 10% Filtered)



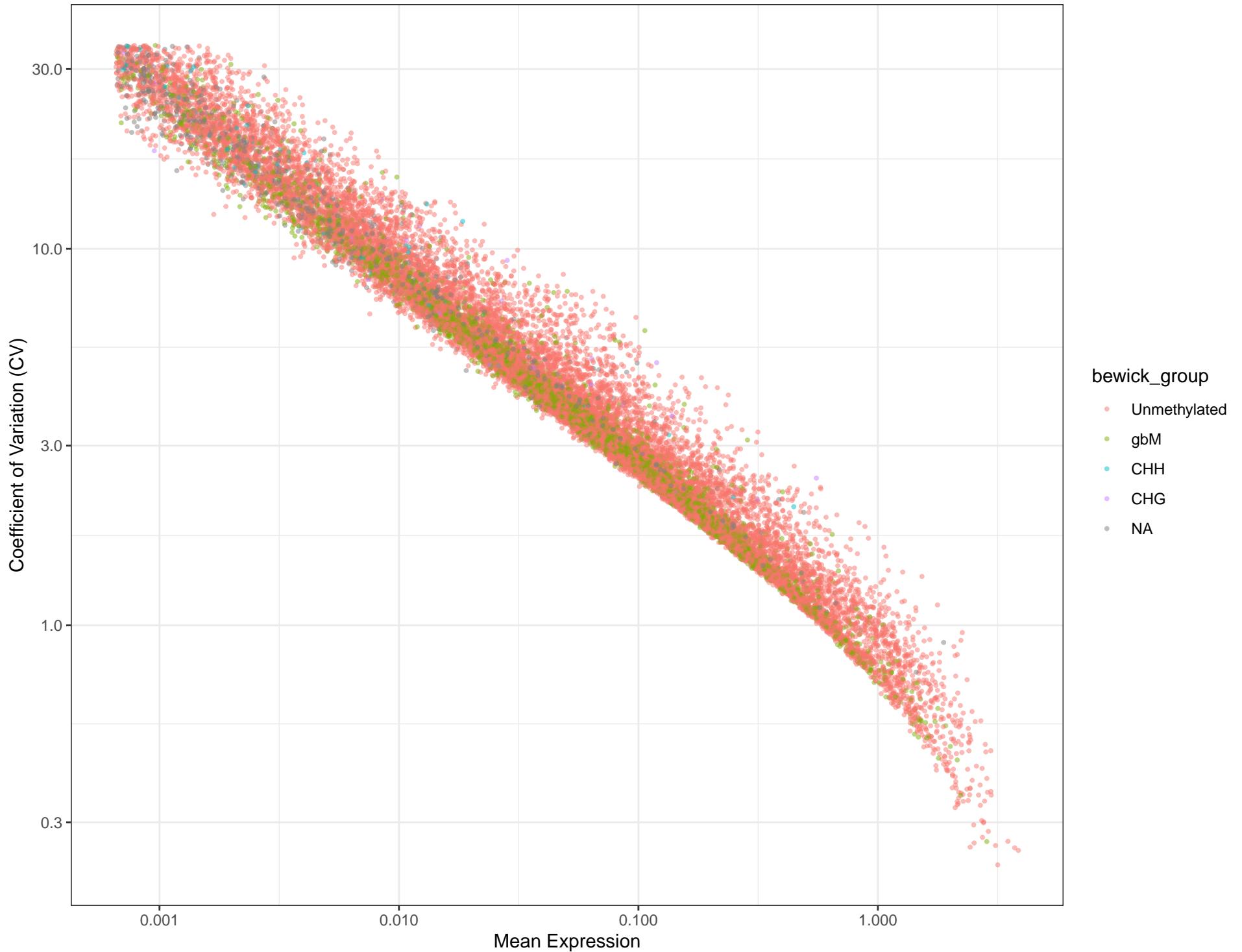
Mean vs CV by Bewick Group (James Lloyd 10% Filtered)



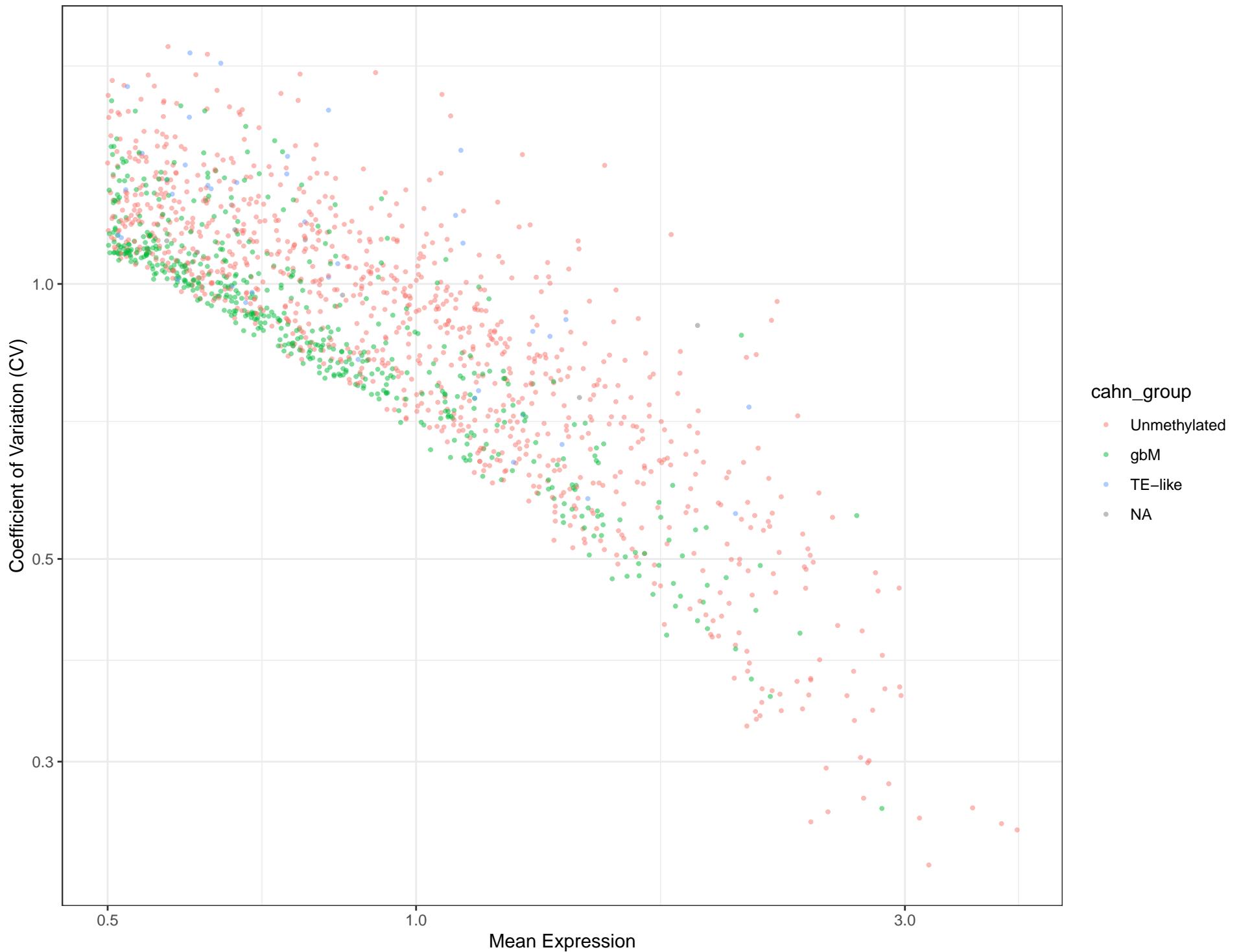
Mean vs CV by Cahn Group (James Lloyd 20% Filtered)



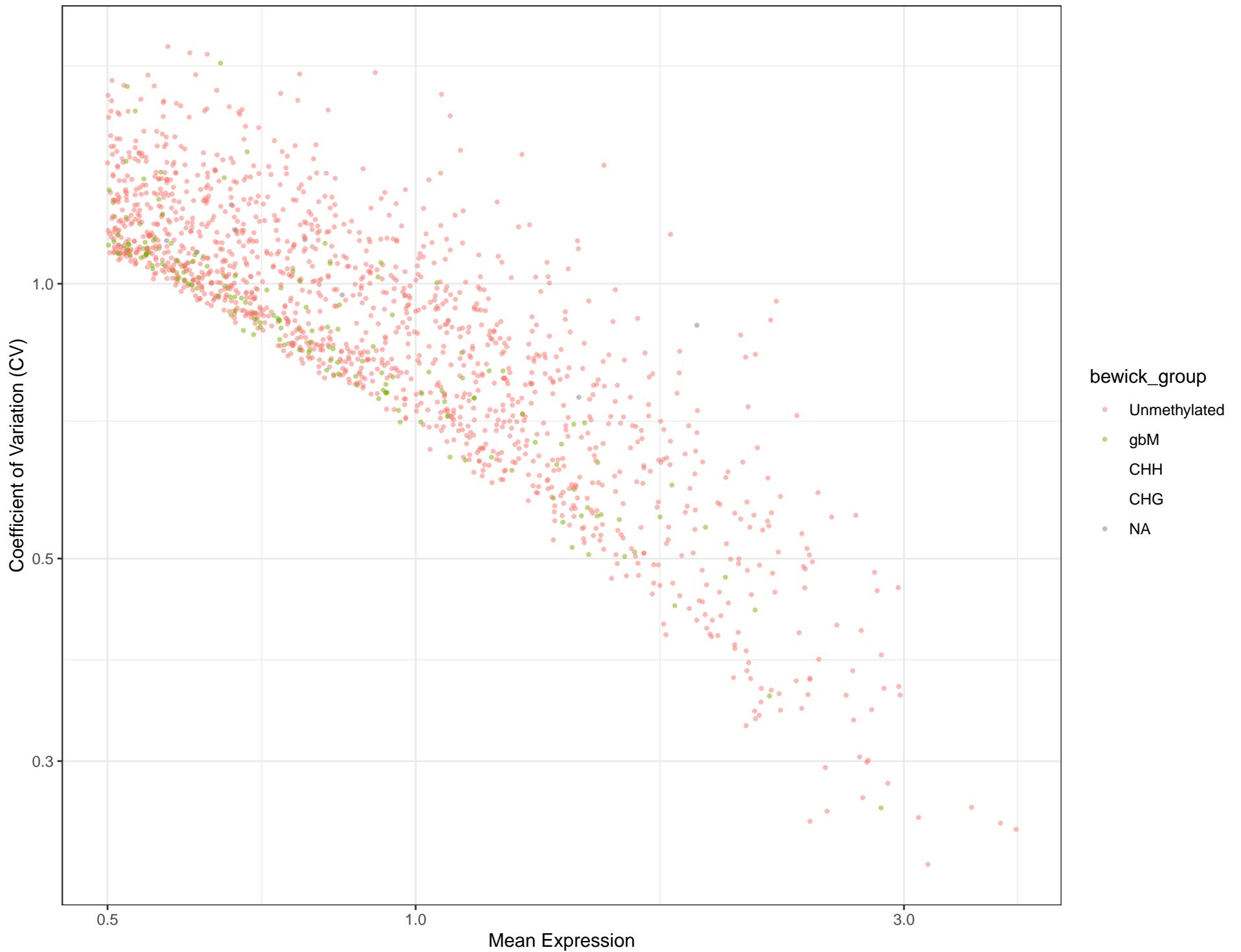
Mean vs CV by Bewick Group (James Lloyd 20% Filtered)



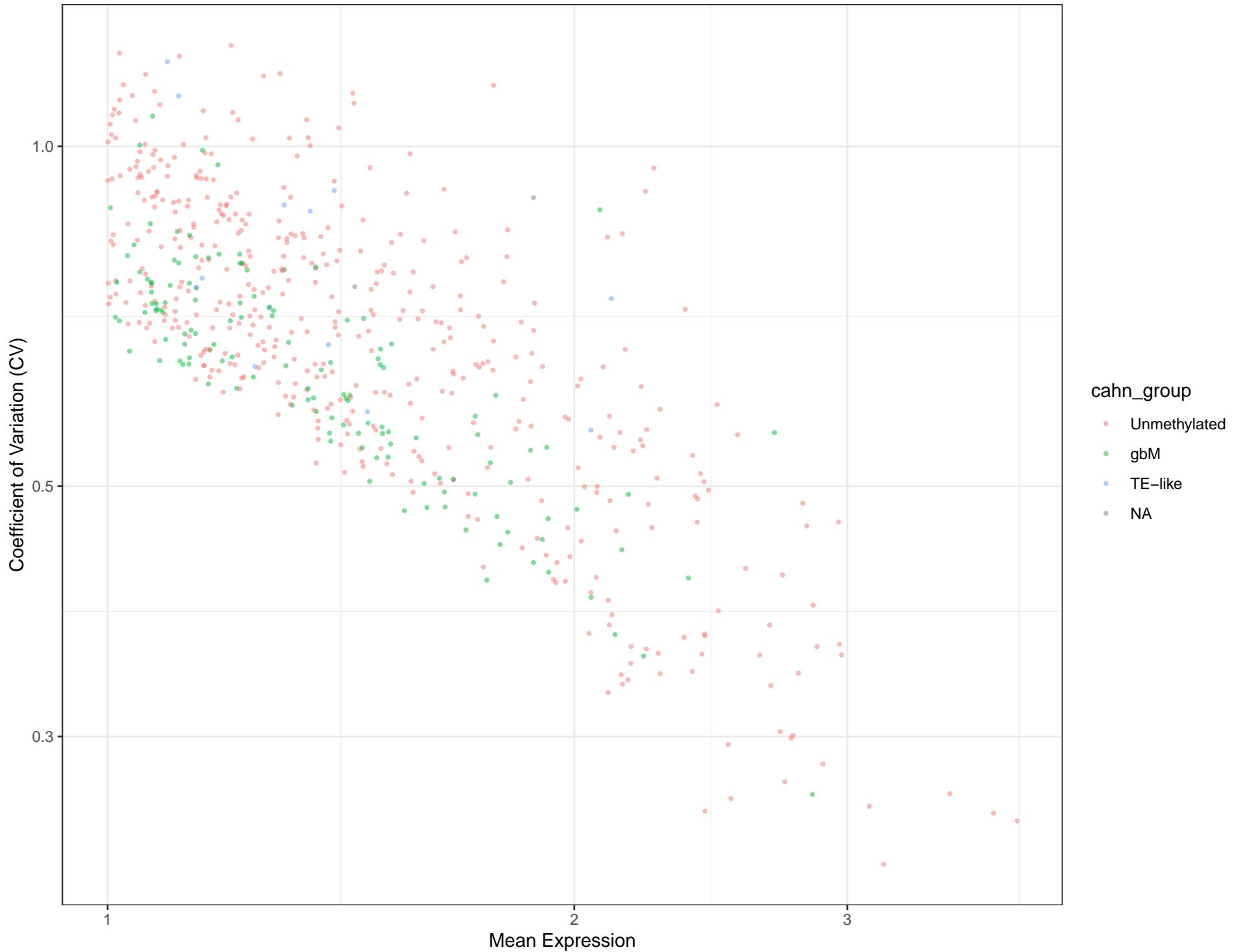
Mean vs CV by Cahn Group (Mean > 0.5 Filtered)



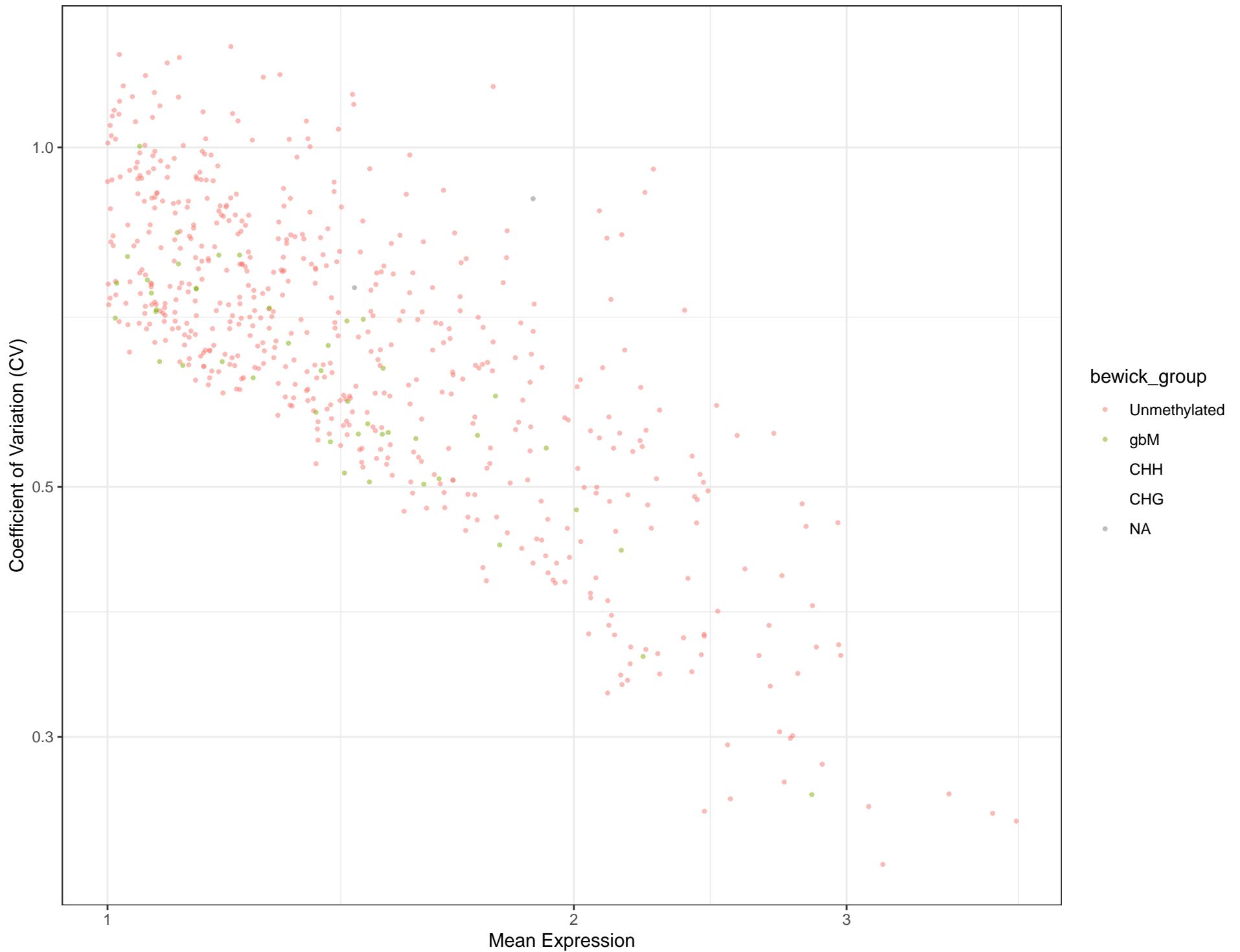
Mean vs CV by Bewick Group (Mean > 0.5 Filtered)



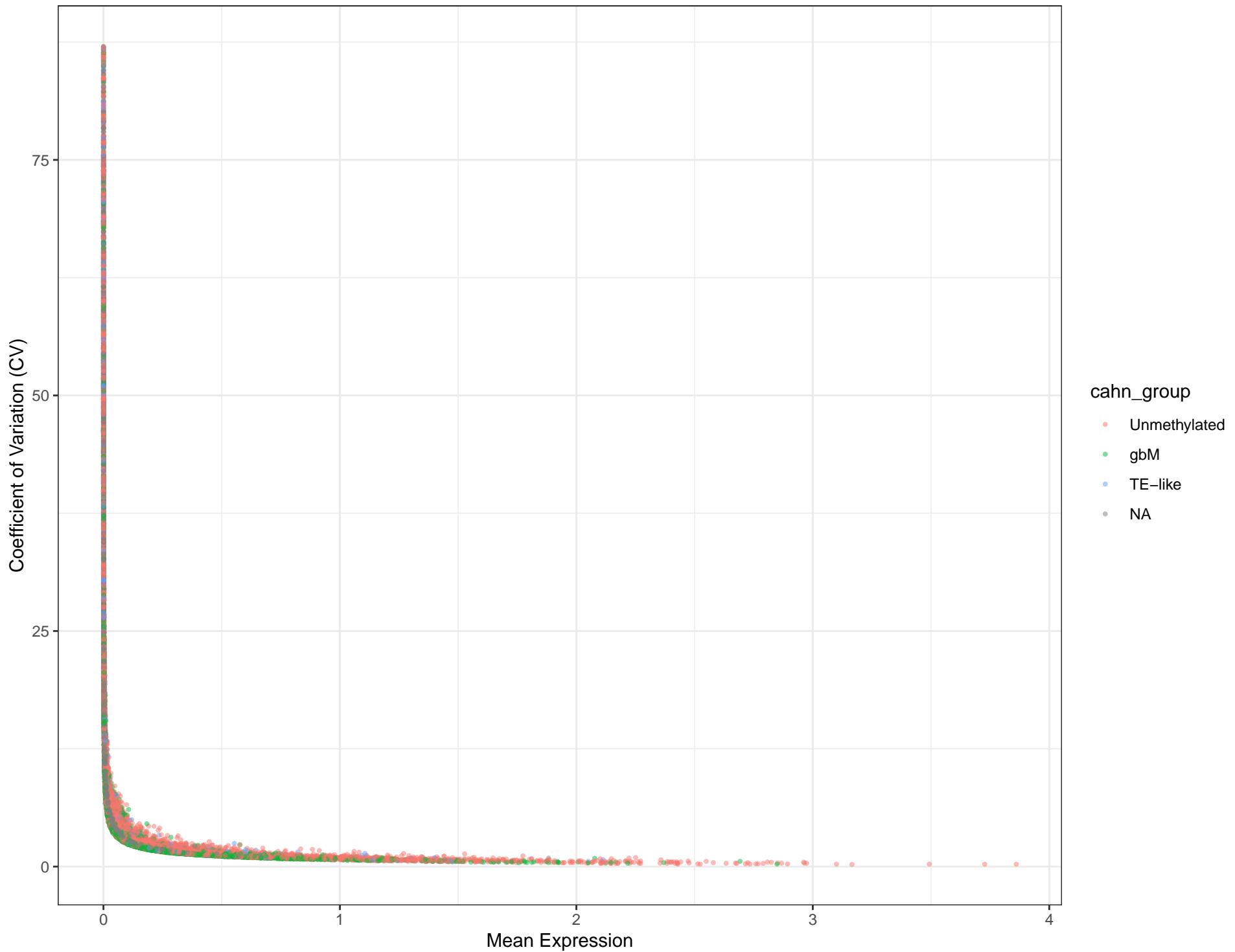
Mean vs CV by Cahn Group (Mean > 1 Filtered)



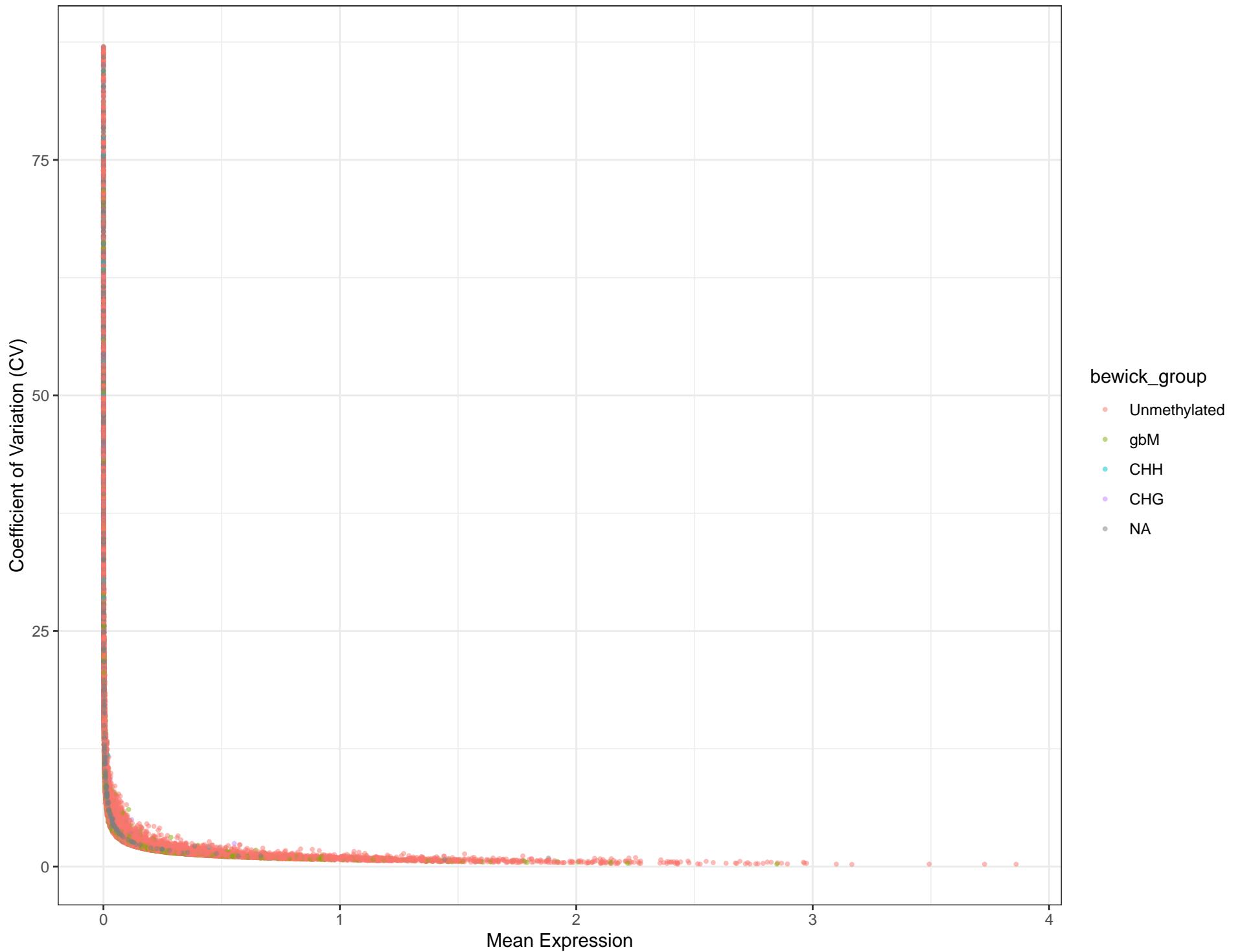
Mean vs CV by Bewick Group (Mean > 1 Filtered)



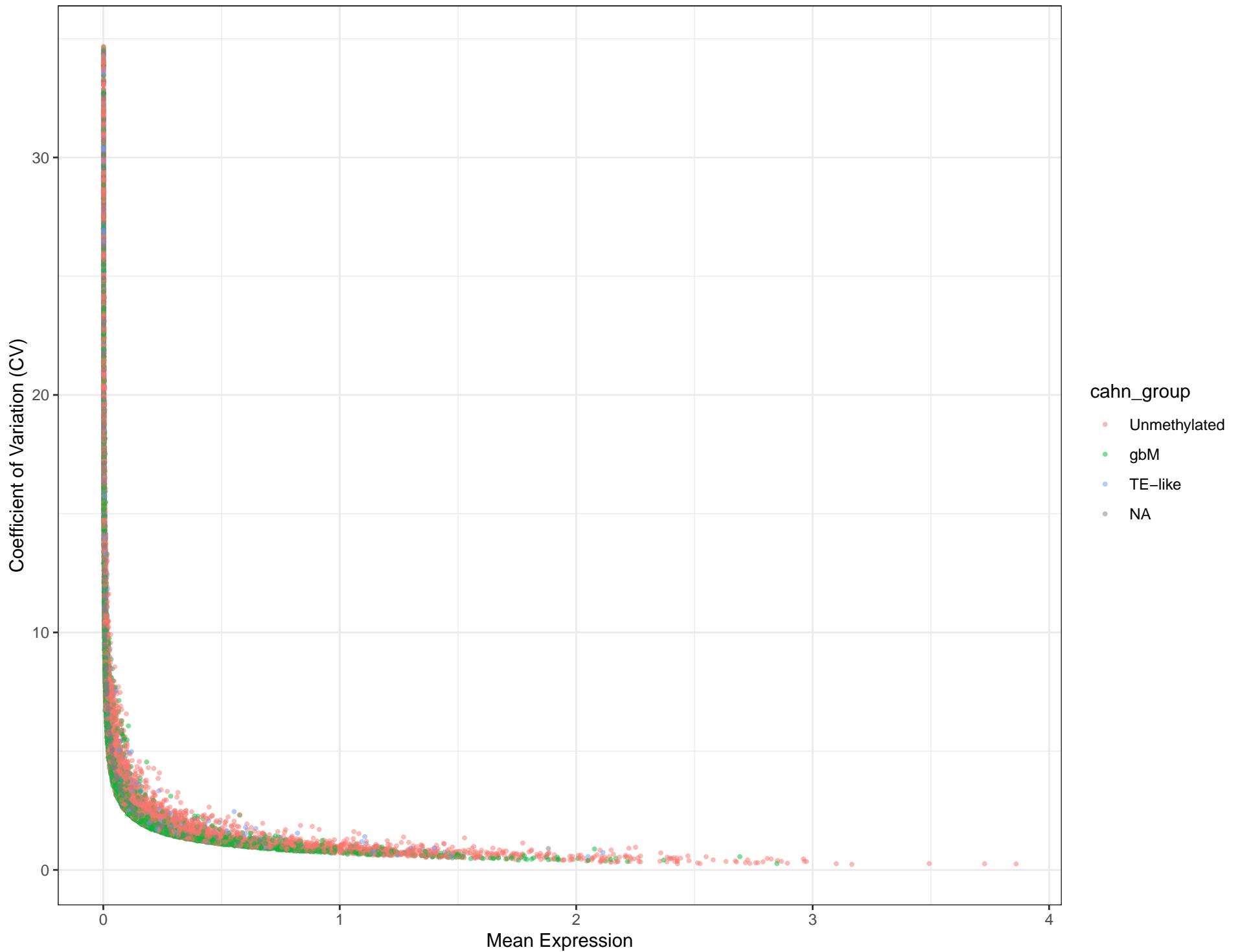
Mean vs CV by Cahn Group (James Lloyd 10% Filtered, No Log Scale)



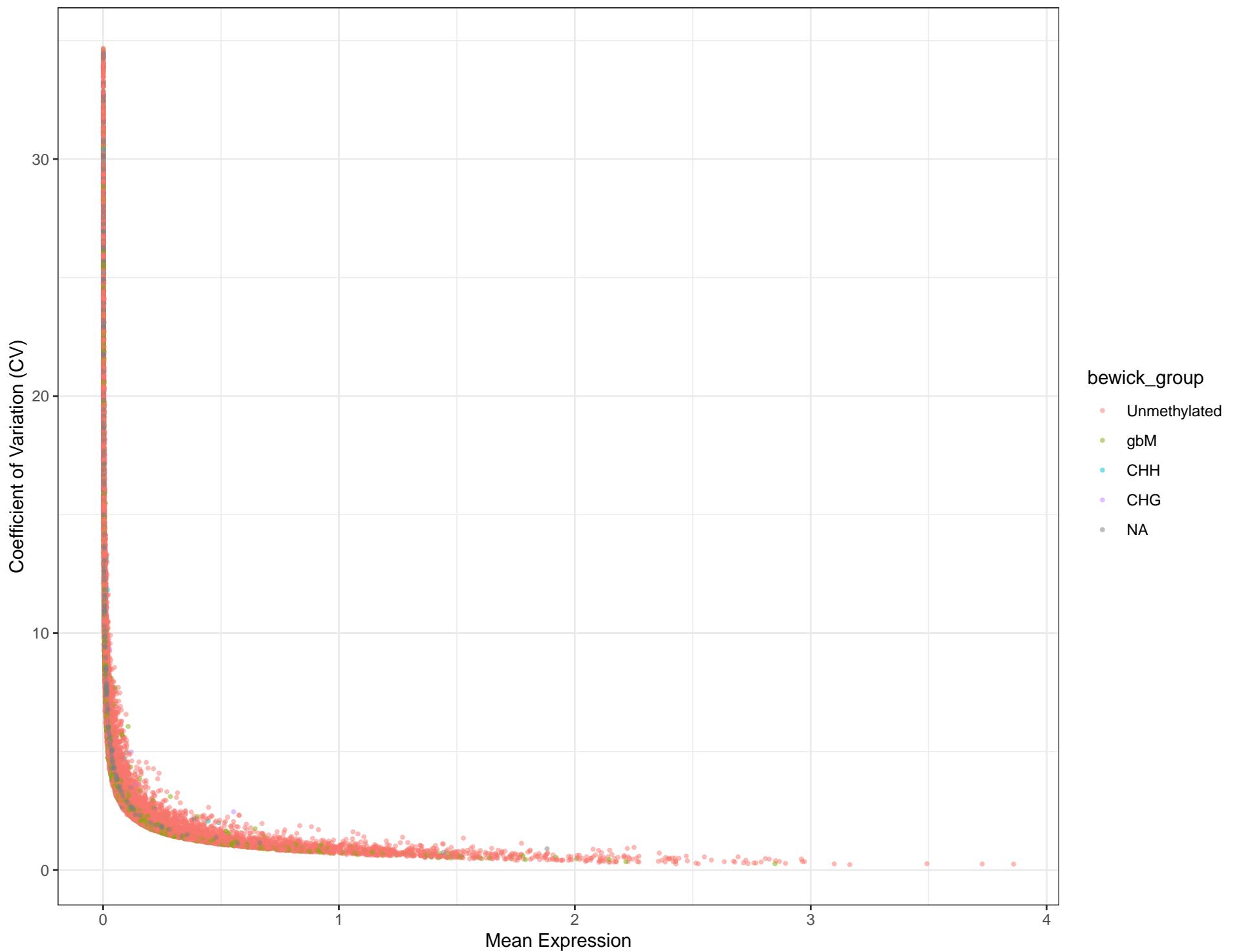
Mean vs CV by Bewick Group (James Lloyd 10% Filtered, No Log Scale)



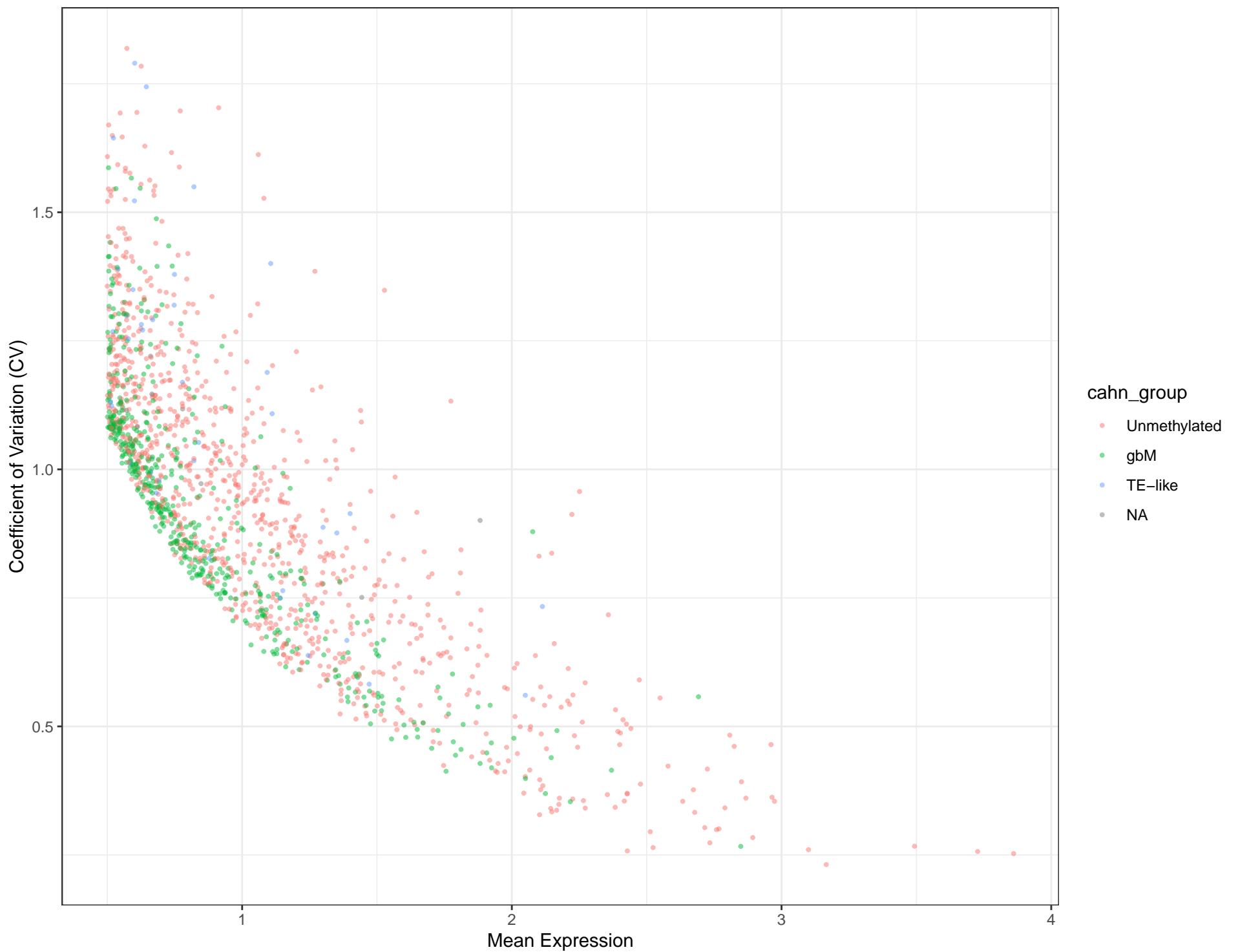
Mean vs CV by Cahn Group (James Lloyd 20% Filtered, No Log Scale)



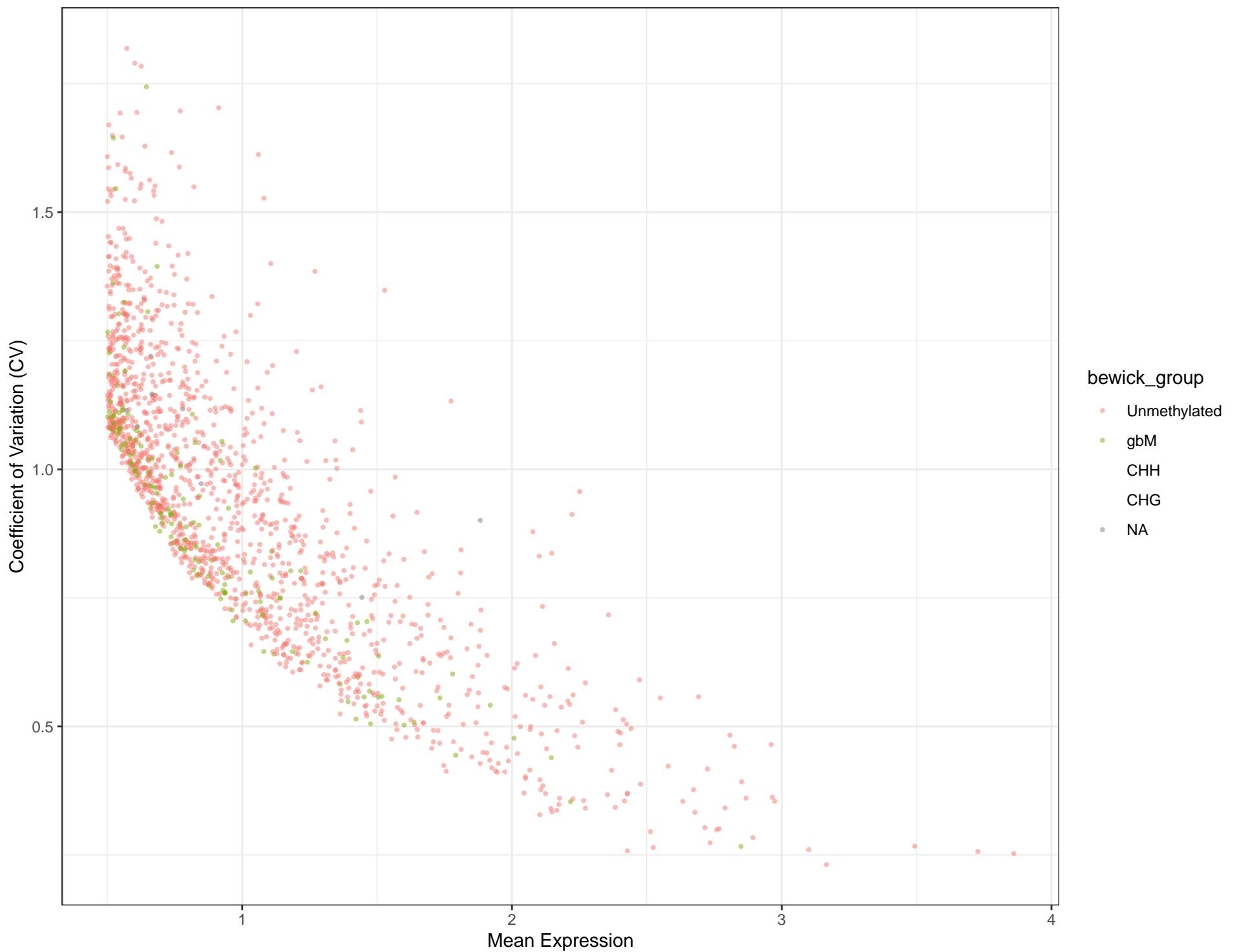
Mean vs CV by Bewick Group (James Lloyd 20% Filtered, No Log Scale)



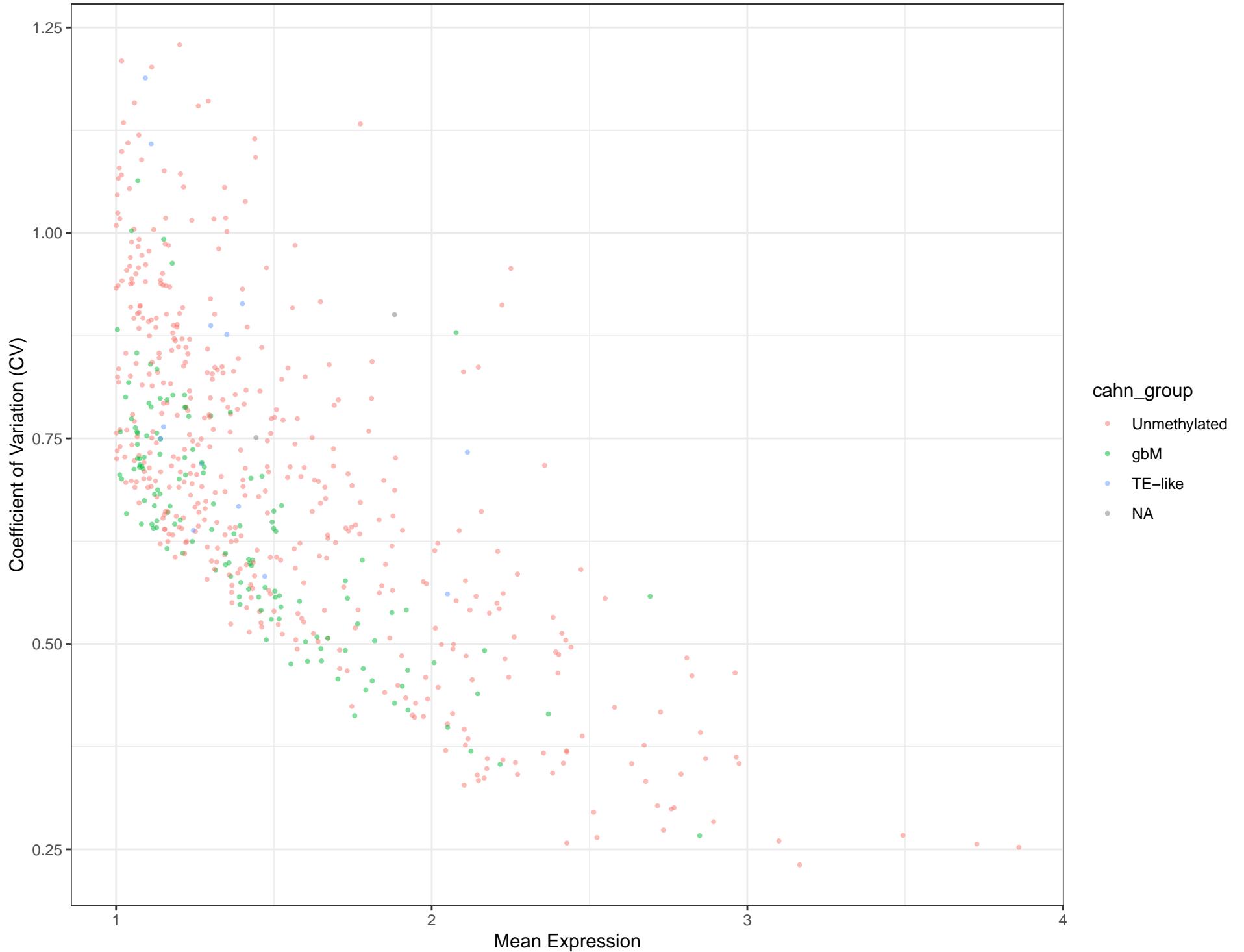
Mean vs CV by Cahn Group (Mean > 0.5 Filtered, No Log Scale)



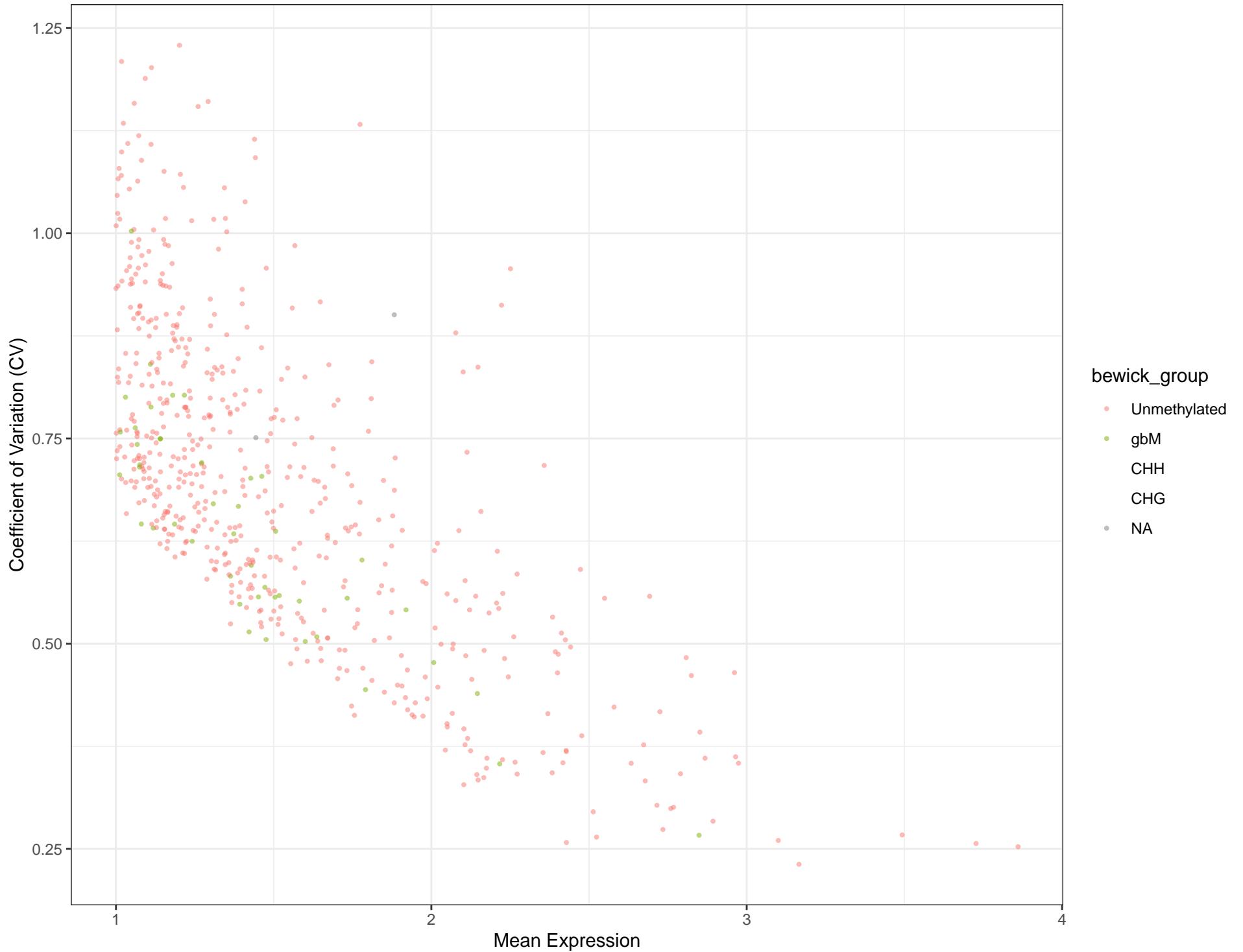
Mean vs CV by Bewick Group (Mean > 0.5 Filtered, No Log Scale)



Mean vs CV by Cahn Group (Mean > 1 Filtered, No Log Scale)



Mean vs CV by Bewick Group (Mean > 1 Filtered, No Log Scale)



Summary of Genes by Filter Category

| filter_category_jl | Count | Median_CV | Median_Mean_Expr |
|---------------------|-------|-----------|------------------|
| Unfiltered | 1364 | 1.05e+02 | 4.16e-05 |
| JL 10% Filtered | 2575 | 5.22e+01 | 2.66e-04 |
| JL 20% Filtered | 19054 | 4.38e+00 | 4.20e-02 |
| Mean > 0.5 Filtered | 966 | 1.07e+00 | 6.67e-01 |
| Mean > 1 Filtered | 607 | 6.91e-01 | 1.36e+00 |

Overall Methylation Group Comparison Statistics

| Comparison | P_value | Statistic |
|----------------------------------|-------------|-----------|
| Cahn gbM vs non-gbM | 0.0000e+00 | 97248020 |
| Bewick gbM vs non-gbM | 1.0831e-214 | 61484345 |
| Bewick TE-like vs other | 2.0336e-73 | 1298084 |
| H2A.Z-Depleted vs H2A.Z-Enriched | 0.0000e+00 | 2491045 |

| | | | | | | | | |
|-----------------------|--------------------------|--------------|-----------|----------------|---------------------------------|--------------------------------|-------------|------|
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.6145e-59 | N |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.7253e-34 | N |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.5680e-87 | N |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | border cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.4207e-108 | 494 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.4529e-66 | N |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.7592e-38 | N |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.6172e-69 | N |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | border cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.8363e-66 | 302 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.4396e-33 | N |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2589e-20 | N |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.8750e-50 | N |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | border cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.0046e-66 | 302 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.7167e-41 | N |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.3896e-24 | N |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.7167e-41 | N |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | border cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.1569e-14 | 62 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.3318e-05 | N |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.6333e-08 | N |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.4328e-14 | N |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | border cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.9687e-19 | 82 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.1526e-11 | N |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.4761e-08 | N |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.0903e-13 | N |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | border cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.3177e-14 | 62 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.1071e-15 | N |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.5234e-01 | N |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.2084e-01 | N |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | border cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.1889e-02 | 62 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.4685e-02 | N |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.6725e-01 | N |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | border cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.6725e-01 | N |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | root cap early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.2761e-294 | 1353 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.2556e-181 | N |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.5343e-55 | N |

| | | | | | | | | |
|-----------------------|--------------------------|--------------|-----------|----------------|---------------------------------|--------------------------------|-------------|-----|
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.3602e-130 | N |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.5152e-34 | N |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.3802e-124 | N |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | root cap early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.7918e-134 | 615 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.4325e-92 | N |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.8022e-37 | N |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.7710e-73 | N |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | root cap early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.2310e-85 | 391 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.0339e-52 | N |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.8313e-17 | N |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.0505e-55 | N |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | root cap early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.6212e-51 | 232 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.4146e-35 | N |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.6341e-15 | N |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.5602e-28 | N |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | root cap early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.9469e-24 | 108 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.2700e-24 | N |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.7078e-03 | N |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.4556e-01 | N |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | root cap early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.8527e-07 | 29 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.7985e-05 | N |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.5324e-03 | N |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | root cap early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.1963e-02 | N |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | root cap tip | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.8717e-212 | 973 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.3057e-127 | N |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0595e-43 | N |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.0038e-137 | N |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | root cap tip | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.8258e-172 | 790 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.5726e-114 | N |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.2285e-52 | N |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.3015e-96 | N |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | root cap tip | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.9023e-135 | 617 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.9915e-85 | N |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.8930e-25 | N |

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|-----------------------|--------------------------|--------------|-----------|------------------|---------------------------------|--------------------------------|-------------|-----|
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.3469e-25 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.1547e-10 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2360e-28 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | root cap tip | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.1268e-37 | 170 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.7040e-28 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.4234e-10 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.4401e-18 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | root cap tip | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.0344e-13 | 55 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.8440e-13 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.7068e-01 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | root cap tip | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.1148e-01 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | root cap tip | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.1826e-01 | 3 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | root cap lateral | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.8907e-197 | 904 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.3884e-118 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.7703e-40 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.8143e-131 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | root cap lateral | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.4155e-162 | 741 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.5468e-105 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.3898e-49 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.9034e-95 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | root cap lateral | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.1187e-121 | 555 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.3982e-76 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.2151e-22 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.2134e-77 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | root cap lateral | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.5177e-101 | 464 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.1752e-70 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.1275e-28 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.9353e-55 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | root cap lateral | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.2812e-34 | 156 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.5461e-20 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.4253e-09 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2620e-24 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | root cap lateral | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.1528e-32 | 144 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.7225e-23 | M |

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|-----------------------|--------------------------|--------------|-----------|------------------|---------------------------------|--------------------------------|-------------|-----|
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | root cap lateral | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 3.8478e–01 | 1 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | columella | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 5.4802e–300 | 137 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 2.6316e–193 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE–like | 3.1011e–49 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE–like | 1.8164e–181 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | columella | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 2.6343e–215 | 983 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 1.1154e–151 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE–like | 4.9940e–55 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE–like | 1.0176e–111 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | columella | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 1.7959e–212 | 975 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 3.9462e–142 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE–like | 1.8673e–31 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE–like | 1.8001e–121 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | columella | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 3.4479e–149 | 683 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 7.3451e–110 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE–like | 1.4656e–34 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE–like | 1.6049e–70 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | columella | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 1.5374e–95 | 430 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 2.0968e–62 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE–like | 8.4617e–16 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE–like | 2.6245e–56 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | columella | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 2.1076e–63 | 288 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 2.0160e–49 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE–like | 3.1193e–13 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE–like | 2.0593e–27 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | columella | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 1.7007e–12 | 54 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 5.4953e–11 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE–like | 3.6383e–04 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE–like | 5.0197e–02 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | columella | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 2.7168e–03 | 11 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 7.8202e–02 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE–like | 5.7312e–03 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | columella | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE–like | 5.7312e–03 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | non–hair cells | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 1.2076e–248 | 114 |

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| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.2248e-110 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | non-hair cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.3517e-162 | 743 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.3132e-102 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.7858e-29 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.5598e-101 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | non-hair cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.0195e-108 | 494 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.3102e-68 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.8358e-35 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.3972e-67 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | non-hair cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.2218e-58 | 263 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.2090e-34 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.8116e-13 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.9480e-39 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | non-hair cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.9747e-35 | 157 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.1529e-21 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.7825e-13 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.2216e-24 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | non-hair cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.4938e-10 | 42 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.4595e-10 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.3871e-02 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.7714e-01 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | non-hair cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.3986e-01 | 0 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | epidermis early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 0.0000e+00 | 183 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.7586e-267 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.4397e-63 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.3349e-225 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | epidermis early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.2826e-232 | 106 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.5864e-153 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.5221e-69 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.0499e-129 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | epidermis early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.8641e-298 | 137 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.5709e-208 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.8531e-40 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.0986e-157 | M |

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| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.7296e-22 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.3582e-81 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | epidermis early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.2970e-69 | 314 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.0609e-47 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.1877e-20 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.3047e-37 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | epidermis early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.0067e-09 | 41 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.8859e-07 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.2380e-05 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.6195e-03 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | epidermis early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.6985e-03 | 12 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.0105e-02 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.6380e-02 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | epidermis early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.9005e-02 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | hair cells early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.0280e-315 | 144 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.4437e-207 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.9732e-50 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.1586e-185 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | hair cells early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.8592e-192 | 88 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.1451e-124 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.7171e-59 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.4269e-114 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | hair cells early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.2910e-222 | 101 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.2328e-153 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.8858e-29 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.1058e-121 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | hair cells early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.2676e-126 | 575 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9323e-85 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.7909e-35 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.8766e-71 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | hair cells early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.1543e-101 | 462 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.3322e-69 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.9047e-14 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.0868e-55 | M |

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| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2441e-03 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.0697e-02 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | hair cells early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.3802e-03 | 105 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.9510e-02 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.9510e-02 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | hair cells early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.1528e-02 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | cortex ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.7985e-229 | 105 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.5679e-139 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.3081e-44 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.5271e-148 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | cortex ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.9788e-176 | 800 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.3821e-113 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.4588e-55 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.8020e-105 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | cortex ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.2569e-150 | 688 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.7455e-95 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.9503e-26 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.5013e-92 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | cortex ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.8567e-115 | 522 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.6859e-76 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.8420e-34 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.5658e-65 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | cortex ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.4890e-54 | 244 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.2266e-32 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.4059e-12 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2060e-35 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | cortex ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.3015e-40 | 183 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.3442e-27 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.9206e-13 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.2758e-24 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | cortex ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.8147e-01 | 1 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | cortex ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.7366e-01 | 3 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | hair cells ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.2383e-216 | 990 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs abM | 1.3751e-137 | M |

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| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | hair cells ERS+ | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 6.4869e-137 | 627 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.4202e-93 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.2514e-20 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.2542e-77 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | hair cells ERS+ | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.9799e-96 | 440 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.0829e-65 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.9200e-28 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.6941e-54 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | hair cells ERS+ | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.9539e-44 | 200 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.2600e-31 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.6908e-07 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.0282e-25 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | hair cells ERS+ | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 3.4033e-28 | 126 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.4203e-20 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.7440e-08 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.6194e-16 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | hair cells ERS+ | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.4788e-05 | 21 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.3435e-05 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.1055e-02 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.4593e-01 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | hair cells ERS+ | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 9.0525e-01 | 0 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | hair cells ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.6369e-185 | 850 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.2178e-123 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.6672e-29 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.9176e-107 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | hair cells ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 6.5222e-131 | 599 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.2798e-85 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.5199e-41 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.1718e-77 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | hair cells ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 9.0352e-118 | 539 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.5612e-84 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.2929e-15 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.8977e-61 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | hair cells ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 5.4459e-80 | 365 |

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| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.1409e-18 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | hair cells ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.9004e-23 | 103 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9285e-17 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.3836e-06 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.0142e-11 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | hair cells ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.3071e-01 | 4 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | hair cells ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.6782e-02 | 4 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | xpp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.9964e-267 | 122 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.1850e-170 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.5610e-46 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.1414e-163 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | xpp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.9726e-180 | 820 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.3176e-118 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.4035e-54 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.1095e-104 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | xpp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.3221e-184 | 843 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.8805e-122 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.5673e-28 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.9517e-105 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | xpp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.8456e-119 | 544 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.4496e-80 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.1330e-34 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.0949e-64 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | xpp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.7184e-76 | 340 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.1522e-49 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.5072e-13 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.8803e-45 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | xpp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.7226e-42 | 192 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.4231e-29 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.6737e-13 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.4234e-23 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | xpp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.1472e-02 | 8 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.7533e-02 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.5222e-01 | M |

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| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | cortex ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.4951e-121 | 556 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.0121e-73 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.1978e-43 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.3805e-81 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | cortex ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 3.1818e-98 | 448 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.1967e-58 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.6585e-21 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.5121e-66 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | cortex ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.1035e-73 | 334 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.6408e-45 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.4185e-26 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.3024e-48 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | cortex ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.8154e-27 | 122 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.2307e-13 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.1115e-09 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.6787e-22 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | cortex ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.6840e-19 | 85 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.0971e-11 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.2530e-09 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.3479e-14 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | cortex ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 4.2276e-01 | 1 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | cortex ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.4955e-02 | 7 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.8719e-02 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.6402e-01 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.1784e-01 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | endodermis ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 4.7093e-157 | 719 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.7286e-86 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.3148e-37 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.4780e-113 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | endodermis ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 7.7007e-113 | 516 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.2369e-66 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2627e-41 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.1722e-78 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | endodermis ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.9256e-95 | 436 |

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| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.0356e-46 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | endodermis ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.7954e-26 | 111 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.3313e-11 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.6001e-11 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.6170e-23 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | endodermis ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.8362e-17 | 73 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.6391e-09 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.2141e-09 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.5313e-14 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | endodermis ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.3292e-03 | 11 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.4687e-02 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.0048e-02 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.0203e-01 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | endodermis ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.1272e-01 | 0 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | endodermis ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.3684e-257 | 118 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.6715e-151 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.9178e-55 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.2716e-170 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | endodermis ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.3382e-192 | 88 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.2102e-124 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.8345e-61 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.4099e-110 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | endodermis ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.1917e-173 | 79 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.7846e-105 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.9454e-34 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.4522e-110 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | endodermis ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.6824e-127 | 58 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.0445e-85 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.3933e-37 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.0583e-69 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | endodermis ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.2023e-69 | 314 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.1643e-39 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.0522e-17 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.6387e-48 | M |

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| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.0141e-01 | |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.0141e-01 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | endodermis ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.7213e-02 | 5 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | xpp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.1236e-305 | 140 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.9360e-188 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0099e-57 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.5428e-192 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | xpp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.8512e-211 | 96 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.0072e-136 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.0873e-66 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.6414e-120 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | xpp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.1541e-211 | 97 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.7485e-136 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.1321e-36 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.1037e-127 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | xpp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.6572e-142 | 65 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.3861e-95 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0946e-41 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.4745e-76 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | xpp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.7532e-91 | 41 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.3487e-56 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.6337e-18 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.1299e-57 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | xpp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.4235e-55 | 25 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.9158e-38 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.6882e-16 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.5120e-30 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | xpp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.4701e-09 | 40 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.2923e-10 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.5422e-01 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.5422e-01 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | xpp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.9167e-03 | 11 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.8974e-03 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.3841e-01 | M |

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| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.3539e-140 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.9521e-60 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.1248e-111 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | ppp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.2045e-190 | 870 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.5598e-119 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.2064e-35 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.8723e-116 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | ppp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.4618e-140 | 643 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.8936e-99 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.1290e-37 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.2157e-69 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | ppp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.2683e-77 | 354 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.3619e-47 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.1797e-16 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.0249e-50 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | ppp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.8146e-55 | 254 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.9921e-42 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.8152e-13 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.3512e-25 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | ppp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.1796e-02 | 88 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.9976e-03 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.0207e-01 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.0207e-01 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | ppp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.3233e-01 | 11 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | ppp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.0516e-223 | 102 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.0459e-138 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.8655e-42 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.1595e-140 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | ppp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.1506e-165 | 754 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.2885e-108 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.1250e-50 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.3483e-94 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | ppp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.6393e-147 | 679 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.4613e-95 | M |

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| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | ppp ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.3852e-54 | 24 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.1765e-34 | 16 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.5986e-11 | 16 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.1765e-34 | 16 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | ppp ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 7.3359e-37 | 16 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.8629e-26 | 16 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.5452e-11 | 16 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.4362e-19 | 16 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | ppp ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.7999e-01 | 2 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | ppp ERS- | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 6.2448e-02 | 5 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | procambium ERS+ | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.0534e-260 | 119 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.2811e-152 | 119 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.5912e-56 | 119 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.4236e-175 | 119 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | procambium ERS+ | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.7953e-205 | 94 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.5248e-135 | 94 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.6262e-62 | 94 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.7323e-114 | 94 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | procambium ERS+ | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 3.0945e-174 | 79 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.6880e-104 | 79 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.6827e-36 | 79 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.3313e-113 | 79 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | procambium ERS+ | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.5464e-138 | 63 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.8273e-95 | 63 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.7195e-39 | 63 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.2735e-72 | 63 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | procambium ERS+ | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 3.0846e-66 | 30 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.7614e-36 | 30 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.8415e-17 | 30 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.9787e-48 | 30 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | procambium ERS+ | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 7.9585e-54 | 24 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.4899e-38 | 24 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.2485e-15 | 24 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.6323e-27 | 24 |

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| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.7840e-122 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.7831e-44 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.8680e-139 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | procambium ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.7985e-156 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.5164e-99 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.3824e-50 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.0959e-94 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | procambium ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.4355e-135 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.8037e-82 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.5144e-28 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.1556e-87 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | procambium ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.0945e-100 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.2043e-66 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.0247e-31 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.1143e-57 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | procambium ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.6722e-46 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.9908e-25 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.5680e-13 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.6241e-34 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | procambium ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.6985e-32 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.0779e-21 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.7870e-11 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.1202e-19 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | procambium ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.7559e-02 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.8301e-02 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.8301e-02 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.8301e-02 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | procambium ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.3441e-01 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protophloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.3123e-132 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.3136e-66 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.5785e-38 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.9321e-100 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protophloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.2522e-102 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs abM | 7.8571e-60 |

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| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | protophloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.7614e-62 | 28 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.4722e-36 | 1 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.3895e-24 | 1 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.1158e-41 | 1 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protophloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.7508e-24 | 10 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.6448e-07 | 1 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.8999e-13 | 1 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.1203e-23 | 1 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protophloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.8106e-18 | 80 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.3035e-09 | 1 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.2014e-10 | 1 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.7196e-15 | 1 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | protophloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.2550e-04 | 17 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.2314e-04 | 1 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.3161e-02 | 1 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.9079e-01 | 1 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | protophloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.2563e-01 | 2 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | metaphloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.1877e-201 | 92 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.0860e-120 | 1 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.6319e-41 | 1 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.9104e-131 | 1 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | metaphloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.4887e-143 | 65 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9127e-90 | 1 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.7042e-47 | 1 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.6700e-87 | 1 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | metaphloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.3871e-131 | 600 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.4104e-81 | 1 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2774e-25 | 1 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.6728e-82 | 1 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | metaphloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.4446e-90 | 413 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.2418e-59 | 1 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.3778e-29 | 1 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.6283e-52 | 1 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | metaphloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.7356e-45 | 205 |

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| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.8955e-17 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | metaphloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.9315e-02 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.1734e-01 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.1494e-02 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.1494e-02 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | metaphloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.4812e-01 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protophloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.9413e-260 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.5458e-160 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.9135e-50 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.0839e-164 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protophloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.2864e-199 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.1450e-142 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.0997e-50 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.5736e-100 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | protophloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.6650e-181 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.3905e-114 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.7092e-33 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.7412e-109 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | protophloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.4189e-138 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.6523e-103 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0183e-31 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.3635e-62 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protophloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.7938e-78 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.6727e-47 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.5596e-17 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.1496e-49 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protophloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.0225e-59 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9254e-47 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.1248e-12 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.1655e-23 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | protophloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.4038e-03 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.0809e-03 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.6843e-02 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.8373e-01 |

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| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.4818e-149 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.8078e-51 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.4190e-104 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | metaphloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.0440e-204 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.1822e-137 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.4403e-30 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.5228e-114 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | metaphloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.0722e-143 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.2354e-108 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.0811e-31 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.8596e-63 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | metaphloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.1047e-90 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9871e-60 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.1750e-14 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.1058e-51 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | metaphloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.0272e-59 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.3257e-49 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.7131e-10 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.8447e-22 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | metaphloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.9546e-03 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.0359e-03 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.7333e-01 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.5278e-01 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | metaphloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.3508e-01 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | metaxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.1542e-279 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.7174e-165 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0200e-58 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.0332e-182 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | metaxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.8719e-198 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.7486e-134 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.8171e-57 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.2994e-109 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | metaxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.0675e-192 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.4550e-117 |

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| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | metaxylem ERS+ | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 4.9682e–82 | 374 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | metaxylem ERS+ | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 3.5626e–46 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | metaxylem ERS+ | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.8281e–20 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | metaxylem ERS+ | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 4.6759e–56 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | metaxylem ERS+ | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 4.9710e–52 | 238 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | metaxylem ERS+ | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 1.0674e–38 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | metaxylem ERS+ | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 5.1054e–13 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | metaxylem ERS+ | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 6.9844e–25 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | metaxylem ERS+ | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 8.9855e–05 | 18 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | metaxylem ERS+ | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 1.9618e–04 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | metaxylem ERS+ | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 6.5157e–02 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | metaxylem ERS+ | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 2.6436e–01 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | metaxylem ERS+ | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 5.3002e–01 | 1 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protoxylem early | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 8.4491e–255 | 117 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 3.1906e–167 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.0584e–42 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 1.9822e–147 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protoxylem early | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.2044e–190 | 873 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 1.9418e–140 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 9.5790e–44 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 4.7877e–89 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | protoxylem early | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 4.3015e–179 | 827 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 3.9605e–123 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.1551e–26 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 2.6097e–96 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | protoxylem early | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 4.2221e–132 | 605 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 8.0024e–103 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 2.1604e–26 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 1.1042e–53 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protoxylem early | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.1619e–80 | 368 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 3.5013e–56 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.5968e–12 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 2.0251e–42 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protoxylem early | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 3.9560e–58 | 264 |

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| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.3441e-03 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | protoxylem early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.7403e-03 | 11 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.7479e-03 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.8495e-01 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.3190e-02 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protoxylem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.8848e-107 | 488 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.8051e-53 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2695e-32 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.1709e-80 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protoxylem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.3136e-79 | 360 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.5813e-45 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.2723e-32 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.3145e-54 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | protoxylem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.2334e-62 | 283 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.4142e-31 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.4866e-20 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.2085e-48 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | protoxylem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.8290e-46 | 208 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.7861e-26 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.8233e-19 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.7883e-31 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protoxylem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.1548e-17 | 73 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.3190e-05 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.4111e-09 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.5549e-16 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protoxylem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.5508e-11 | 48 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.5802e-06 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.4266e-07 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.6779e-09 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | protoxylem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.2841e-02 | 5 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | protoxylem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.2161e-01 | 4 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | metaxylem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.2277e-237 | 108 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.7407e-151 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.5768e-43 | M |

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| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.5802e-108 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.0551e-27 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.4589e-92 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | metaxylem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.4060e-105 | 479 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9480e-75 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.0397e-27 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.4351e-51 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | metaxylem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.7151e-68 | 311 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.0193e-45 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.3074e-12 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.9231e-39 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | metaxylem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.5796e-38 | 171 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.2676e-29 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.8545e-09 | M |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.0115e-17 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | metaxylem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.5608e-03 | 12 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.9429e-02 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2520e-02 | M |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.1389e-04 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | metaxylem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.4746e-02 | 8 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.3609e-02 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.2226e-01 | M |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.0743e-02 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protoxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.3634e-174 | 800 |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.3769e-111 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.3033e-31 | M |
| Mean Expr by Celltype | Unfiltered | cahn_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.7357e-105 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protoxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.4195e-141 | 648 |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.4117e-102 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.4211e-35 | M |
| Mean Expr by Celltype | Unfiltered | bewick_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.5744e-68 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | protoxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.5147e-116 | 533 |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.2557e-78 | M |
| Mean Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.6525e-19 | M |

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| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.1803e-31 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.8335e-08 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.6631e-26 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protoxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.6423e-40 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.1099e-33 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.2974e-07 |
| Mean Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.3002e-14 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | protoxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.1497e-02 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.3534e-02 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.3534e-02 |
| Mean Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cell_mean | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.1826e-02 |
| Mean Expr by Celltype | Mean > 1 Filtered | cahn_group | cell_mean | protoxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.5323e-02 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | rootcap | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.0909e-244 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.9743e-144 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0167e-51 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.8164e-163 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | rootcap | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.4288e-184 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.8427e-116 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.9469e-61 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.8958e-110 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | rootcap | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.9331e-157 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.6801e-97 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.8911e-30 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.1892e-100 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | rootcap | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.7104e-117 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.5503e-78 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.3506e-35 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2100e-66 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | rootcap | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.1371e-53 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.3320e-30 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.7730e-13 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.1562e-37 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | rootcap | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.3432e-39 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.6896e-26 |

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| Mean Expr by Lineage | Mean > 1 Filtered | cahn_group | lineage_mean | rootcap | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 5.0513e–03 | 1 |
| Mean Expr by Lineage | Mean > 1 Filtered | cahn_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 1.0957e–02 | |
| Mean Expr by Lineage | Mean > 1 Filtered | cahn_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.4601e–01 | |
| Mean Expr by Lineage | Mean > 1 Filtered | cahn_group | lineage_mean | rootcap | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 3.8589e–01 | |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | epidermis | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 6.0936e–282 | 129 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 3.3050e–174 | |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 2.2848e–54 | |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 2.7851e–177 | |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | epidermis | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 3.2530e–180 | 82 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 1.3990e–108 | |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 3.9504e–64 | |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 4.0851e–114 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | epidermis | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.2372e–189 | 86 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 6.6971e–123 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 8.9951e–32 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 9.0474e–113 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | epidermis | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.0295e–113 | 52 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 6.5585e–71 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.4026e–38 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 2.7937e–70 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | epidermis | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 4.0074e–74 | 33 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 2.2282e–46 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.8808e–14 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 3.1689e–46 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | epidermis | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.6293e–36 | 16 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 2.8491e–22 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 3.3695e–14 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 3.6229e–25 | |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | epidermis | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 4.9846e–13 | 5 |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 6.4455e–12 | |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 8.9014e–04 | |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 1.2936e–01 | |
| Mean Expr by Lineage | Mean > 1 Filtered | cahn_group | lineage_mean | epidermis | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 7.6715e–03 | |
| Mean Expr by Lineage | Mean > 1 Filtered | cahn_group | lineage_mean | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 3.8018e–02 | |

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| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | cortex | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 3.8506e–159 | 72 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 5.3929e–98 | |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.9664e–54 | |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | cortex | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 1.1375e–100 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | cortex | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 8.9732e–129 | 58 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 3.3565e–78 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 6.3653e–26 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | cortex | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 1.2147e–83 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | cortex | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.3934e–99 | 45 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 1.9323e–63 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.0197e–32 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | cortex | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 1.1866e–60 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | cortex | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.1410e–40 | 18 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 6.2229e–22 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.8299e–11 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | cortex | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 7.8108e–30 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | cortex | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.3889e–30 | 13 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 1.9278e–19 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.3732e–11 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | cortex | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 3.7567e–20 | |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | cortex | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 4.8288e–01 | |
| Mean Expr by Lineage | Mean > 1 Filtered | cahn_group | lineage_mean | cortex | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 5.7526e–02 | |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | xpp | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 7.8206e–292 | 13 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | xpp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 2.5678e–179 | |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | xpp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 6.1649e–56 | |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | xpp | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 1.6802e–185 | |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | xpp | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.5429e–201 | 92 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | xpp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 8.1822e–129 | |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | xpp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.2155e–64 | |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | xpp | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 2.0444e–117 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | xpp | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 4.8362e–200 | 91 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | xpp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 1.0598e–127 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | xpp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.6140e–34 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | xpp | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 2.7819e–121 | |

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| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0872e-16 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | xpp | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.9489e-53 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | xpp | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.5701e-49 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.1917e-33 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2665e-15 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | xpp | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.5182e-28 |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | xpp | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.1657e-06 |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.6281e-07 |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.7644e-01 |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | xpp | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.4011e-01 |
| Mean Expr by Lineage | Mean > 1 Filtered | cahn_group | lineage_mean | xpp | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.5179e-02 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | endodermis | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.1034e-230 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.4216e-131 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.8821e-52 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.9404e-158 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | endodermis | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.3262e-171 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.4134e-106 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.5559e-57 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.0610e-105 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | endodermis | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.6603e-148 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.6130e-87 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.1574e-31 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.7980e-99 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | endodermis | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.3221e-109 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.1722e-70 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.2736e-35 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.5687e-64 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | endodermis | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.7253e-52 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.0604e-26 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.6603e-15 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.1951e-40 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | endodermis | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.2293e-36 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.0530e-23 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0438e-12 |

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| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | ppp | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 2.0599e–260 | 11 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 1.1071e–155 | |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE–like | 1.4299e–54 | |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE–like | 3.9506e–169 | |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | ppp | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 1.1622e–195 | 8 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 3.0727e–127 | |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE–like | 1.6323e–61 | |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE–like | 4.0127e–109 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | ppp | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 4.7953e–173 | 7 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 1.3233e–107 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE–like | 4.2910e–33 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE–like | 1.3233e–107 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | ppp | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 8.4404e–129 | 5 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 7.5455e–88 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE–like | 1.5384e–37 | |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE–like | 1.7575e–66 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | ppp | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 6.4834e–66 | 3 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 6.2123e–39 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE–like | 4.2136e–15 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE–like | 7.4540e–44 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | ppp | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 9.5773e–47 | 2 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 9.7561e–34 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE–like | 4.3402e–13 | |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | ppp | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE–like | 5.0306e–23 | |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | ppp | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 1.3956e–01 | |
| Mean Expr by Lineage | Mean > 1 Filtered | cahn_group | lineage_mean | ppp | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 3.1467e–01 | |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | procambium | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 1.2353e–241 | 11 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | procambium | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 7.2863e–137 | |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | procambium | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE–like | 2.2582e–55 | |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | procambium | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE–like | 1.4858e–166 | |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | procambium | Kruskal–Wallis | Unmethylated vs gbM vs TE–like | 4.6348e–188 | 8 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | procambium | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 3.7048e–119 | |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | procambium | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE–like | 1.8778e–61 | |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | procambium | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE–like | 5.8863e–111 | |

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| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.3439e-38 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | procambium | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.5946e-68 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | procambium | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.4753e-55 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.0578e-27 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2365e-16 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | procambium | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.6253e-42 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | procambium | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.5317e-43 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.9929e-29 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.7444e-14 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | procambium | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.4213e-24 |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | procambium | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.1453e-05 |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.5275e-06 |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.2477e-01 |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | procambium | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.8176e-01 |
| Mean Expr by Lineage | Mean > 1 Filtered | cahn_group | lineage_mean | procambium | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.8780e-01 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | phloem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.1152e-245 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.0245e-145 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.7800e-51 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.1402e-163 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | phloem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.4875e-179 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.5502e-117 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2277e-54 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.0501e-102 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | phloem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.5926e-161 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.2420e-98 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.5629e-32 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.6603e-103 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | phloem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.1987e-116 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.7061e-79 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.4287e-33 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.0550e-61 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | phloem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.5042e-59 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.1955e-33 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.6500e-15 |

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| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.3539e-03 |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.3073e-01 |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | phloem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.5893e-01 |
| Mean Expr by Lineage | Mean > 1 Filtered | cahn_group | lineage_mean | phloem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.4490e-01 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | xylem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.0068e-241 11 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.4724e-138 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.0253e-56 |
| Mean Expr by Lineage | Unfiltered | cahn_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.5241e-162 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | xylem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.0251e-175 8 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.4023e-112 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.0713e-57 |
| Mean Expr by Lineage | Unfiltered | bewick_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.7832e-101 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | xylem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.0193e-156 7 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.5408e-93 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.6235e-34 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | cahn_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.2558e-101 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | xylem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.2090e-112 5 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.3459e-75 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.5562e-33 |
| Mean Expr by Lineage | James Lloyd 10% Filtered | bewick_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.6825e-60 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | xylem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.2476e-57 2 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.0377e-31 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.0641e-16 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | cahn_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.9680e-41 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | xylem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.0805e-38 1 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.7242e-27 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2756e-11 |
| Mean Expr by Lineage | James Lloyd 20% Filtered | bewick_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2541e-19 |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | xylem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.9699e-02 |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.5033e-01 |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.3957e-02 |
| Mean Expr by Lineage | Mean > 0.5 Filtered | cahn_group | lineage_mean | xylem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.2693e-02 |
| Mean Expr by Lineage | Mean > 1 Filtered | cahn_group | lineage_mean | xylem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.6523e-02 |
| CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | border cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.7826e-09 |

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|----|---------------------|--------------------------|--------------|------------|----------------|---------------------------------|--------------------------------|-------------|-----|
| 2 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.1989e-05 | N |
| 3 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | border cells | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.2433e-09 | 39 |
| 4 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.4634e-07 | N |
| 5 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.5935e-05 | N |
| 6 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.0592e-03 | N |
| 7 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | border cells | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.3059e-05 | 22 |
| 8 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.3590e-03 | N |
| 9 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.7137e-04 | N |
| 10 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.7137e-04 | N |
| 11 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | border cells | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.8782e-11 | 48 |
| 12 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.9353e-09 | N |
| 13 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.1251e-05 | N |
| 14 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.5828e-03 | N |
| 15 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | border cells | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 8.9274e-06 | 23 |
| 16 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.2525e-04 | N |
| 17 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.1732e-04 | N |
| 18 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.1732e-04 | N |
| 19 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | border cells | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.8745e-13 | 58 |
| 20 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.1468e-14 | N |
| 21 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.1923e-01 | N |
| 22 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.1923e-01 | N |
| 23 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | border cells | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 4.6576e-02 | 6. |
| 24 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.8527e-02 | N |
| 25 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.8217e-01 | N |
| 26 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | border cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.8217e-01 | N |
| 27 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | root cap early | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 5.4353e-129 | 590 |
| 28 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.4824e-75 | N |
| 29 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.4274e-29 | N |
| 30 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.1031e-85 | N |
| 31 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | root cap early | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 3.7506e-84 | 384 |
| 32 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9660e-51 | N |
| 33 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.8075e-31 | N |
| 34 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.9660e-51 | N |
| 35 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | root cap early | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.0761e-117 | 538 |

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|---|---------------------|--------------------------|--------------|------------|----------------|---------------------------------|--------------------------------|------------|------|
| 2 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.1275e-47 | NA |
| 3 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | root cap early | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 5.2466e-71 | 323. |
| 4 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.7728e-42 | NA |
| 5 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.4410e-15 | NA |
| 6 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.0704e-46 | NA |
| 7 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | root cap early | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.4088e-41 | 188. |
| 8 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.2941e-27 | NA |
| 9 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.0889e-14 | NA |
| 0 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.7089e-25 | NA |
| 1 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | root cap early | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 3.8792e-14 | 61. |
| 2 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.4605e-13 | NA |
| 3 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.6739e-04 | NA |
| 4 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.8420e-01 | NA |
| 5 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | root cap early | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.5519e-04 | 17. |
| 6 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9012e-02 | NA |
| 7 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0336e-03 | NA |
| 8 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | root cap early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.0336e-03 | NA |
| 9 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | root cap tip | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.7656e-41 | 186. |
| 0 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.2300e-20 | NA |
| 1 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.4586e-13 | NA |
| 2 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | root cap tip | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2580e-31 | NA |
| 3 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | root cap tip | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.1397e-35 | 160. |
| 4 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.2359e-22 | NA |
| 5 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.0777e-13 | NA |
| 6 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | root cap tip | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.1214e-22 | NA |
| 7 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | root cap tip | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 6.7129e-38 | 171. |
| 8 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.9624e-19 | NA |
| 9 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.6519e-12 | NA |
| 0 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | root cap tip | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.1517e-29 | NA |
| 1 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | root cap tip | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 7.7036e-34 | 152. |
| 2 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.7298e-21 | NA |
| 3 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2834e-12 | NA |
| 4 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | root cap tip | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.9431e-21 | NA |
| 5 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | root cap tip | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.2888e-23 | 105. |

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|---|---------------------|--------------------------|--------------|------------|------------------|---------------------------------|--------------------------------|------------|------|
| 2 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | root cap tip | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.4398e-13 | NA |
| 3 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | root cap tip | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 3.9408e-09 | 38.1 |
| 4 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.4677e-09 | NA |
| 5 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | root cap tip | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.4556e-01 | NA |
| 6 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | root cap tip | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.4556e-01 | NA |
| 7 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | root cap tip | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.8065e-01 | 2.5 |
| 8 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | root cap lateral | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 3.0591e-38 | 172. |
| 9 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.3402e-14 | NA |
| 0 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.3705e-17 | NA |
| 1 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2123e-34 | NA |
| 2 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | root cap lateral | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.8646e-34 | 154. |
| 3 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.4229e-16 | NA |
| 4 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.7618e-18 | NA |
| 5 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.6838e-27 | NA |
| 6 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | root cap lateral | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.3377e-34 | 155. |
| 7 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.3735e-12 | NA |
| 8 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.9190e-16 | NA |
| 9 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.7213e-31 | NA |
| 0 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | root cap lateral | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.2567e-31 | 142. |
| 1 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.6281e-15 | NA |
| 2 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.4177e-17 | NA |
| 3 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.2433e-25 | NA |
| 4 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | root cap lateral | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.4324e-20 | 90.3 |
| 5 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.0613e-06 | NA |
| 6 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.2376e-11 | NA |
| 7 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.6236e-20 | NA |
| 8 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | root cap lateral | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 5.0381e-18 | 79.0 |
| 9 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.9633e-09 | NA |
| 0 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.2030e-10 | NA |
| 1 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2675e-14 | NA |
| 2 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | root cap lateral | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 3.0616e-09 | 39.2 |
| 3 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.0759e-09 | NA |
| 4 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.3299e-01 | NA |
| 5 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | root cap lateral | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.8822e-01 | NA |

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|---------------------|--------------------------|--------------------------|--------------|----------------|---------------------------------|---------------------------------|--------------------------------|-------------|-----|
| 2 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.7847e-18 | N |
| 3 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.8737e-12 | N |
| 4 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.7413e-19 | N |
| 5 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | columella | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.9457e-43 | 193 |
| 6 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9225e-20 | N |
| 7 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.3094e-14 | N |
| 8 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.1594e-33 | N |
| 9 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | columella | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.7167e-28 | 126 |
| 10 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.2397e-17 | N |
| CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.1282e-11 | N | |
| 12 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.3140e-19 | N |
| 13 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | columella | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.0319e-32 | 145 |
| 14 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.4986e-14 | N |
| 15 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.0292e-12 | N |
| 16 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.9015e-27 | N |
| 17 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | columella | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.1653e-21 | 93. |
| 18 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.6577e-12 | N |
| 19 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.0880e-09 | N |
| 20 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.3878e-15 | N |
| CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | columella | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.6251e-07 | 30. | |
| 22 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.3615e-04 | N |
| 23 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0873e-04 | N |
| 24 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.8724e-04 | N |
| 25 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | columella | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.2168e-02 | 8. |
| 26 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.1042e-01 | N |
| 27 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.1427e-03 | N |
| 28 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | columella | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.3594e-03 | N |
| 29 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | non-hair cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.8534e-157 | 721 |
| 30 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.5666e-99 | N |
| CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.4281e-30 | N | |
| 32 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.6275e-94 | N |
| 33 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | non-hair cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.3286e-98 | 450 |
| 34 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.4247e-61 | N |
| 35 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.1275e-34 | N |

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|---------------------|--------------------------|--------------|------------|-----------------|---------------------------------|--------------------------------|-------------|------|
| CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.4103e-52 | N |
| CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.8600e-30 | N |
| CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.7579e-53 | N |
| CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | non-hair cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.0820e-74 | 340 |
| CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.0043e-48 | N |
| CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.5130e-14 | N |
| CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.6683e-44 | N |
| CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | non-hair cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.5104e-41 | 185 |
| CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.3995e-25 | N |
| CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.3986e-16 | N |
| CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.0060e-27 | N |
| CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | non-hair cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.1732e-07 | 28 |
| CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.0609e-05 | N |
| CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2886e-02 | N |
| CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.5876e-05 | N |
| CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | non-hair cells | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.9685e-06 | 24 |
| CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.4943e-06 | N |
| CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.3292e-01 | N |
| CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | non-hair cells | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.5179e-03 | N |
| CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | epidermis early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.4653e-285 | 1305 |
| CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.5259e-204 | N |
| CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.9037e-36 | N |
| CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.7752e-139 | N |
| CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | epidermis early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.5590e-149 | 682 |
| CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.5658e-100 | N |
| CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.2183e-44 | N |
| CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.5343e-77 | N |
| CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | epidermis early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.2916e-256 | 1176 |
| CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.9673e-186 | N |
| CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.1087e-30 | N |
| CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.9968e-122 | N |
| CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | epidermis early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.7816e-129 | 590 |
| CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.1959e-88 | N |
| CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.1955e-37 | N |

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|---------------------|--------------------------|--------------------------|--------------|------------------|---------------------------------|---------------------------------|--------------------------------|-------------|-----|
| | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.8895e-52 | N |
| 3 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.2263e-19 | N |
| 4 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.4478e-36 | N |
| 5 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | epidermis early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.5383e-05 | 20. |
| 6 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.6303e-01 | N |
| 7 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.4804e-05 | N |
| 8 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.8456e-06 | N |
| 9 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | epidermis early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.5078e-02 | 8. |
| 0 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.1608e-01 | N |
| CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.9057e-03 | N | |
| 2 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | epidermis early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.0631e-03 | N |
| 3 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | hair cells early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.8307e-213 | 979 |
| 4 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.4700e-146 | N |
| 5 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.1678e-31 | N |
| 6 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.9161e-114 | N |
| 7 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | hair cells early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.0378e-122 | 559 |
| 8 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.7654e-78 | N |
| 9 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.7297e-40 | N |
| 0 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.6808e-69 | N |
| CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | hair cells early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.5799e-186 | 855 | |
| 2 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.7636e-130 | N |
| 3 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.4365e-25 | N |
| 4 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2085e-96 | N |
| 5 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | hair cells early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.1144e-102 | 467 |
| 6 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.6263e-68 | N |
| 7 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2176e-31 | N |
| 8 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.9580e-56 | N |
| 9 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | hair cells early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.2715e-120 | 548 |
| 0 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.2954e-86 | N |
| CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.9299e-15 | N | |
| 2 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.6322e-58 | N |
| 3 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | hair cells early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.1651e-53 | 243 |
| 4 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9815e-37 | N |
| 5 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0967e-15 | N |

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|---------------------|--------------------------|--------------------------|--------------|-------------|---------------------------------|---------------------------------|--------------------------------|------------|-----|
| 2 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.5370e-03 | N |
| 3 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.5208e-02 | N |
| 4 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | hair cells early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.3835e-03 | N |
| 5 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | cortex ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.9475e-75 | 342 |
| 6 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.0497e-46 | N |
| 7 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.1766e-15 | N |
| 8 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.6755e-46 | N |
| 9 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | cortex ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.4952e-49 | 224 |
| 10 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.3324e-30 | N |
| CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0712e-18 | N | |
| 12 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2834e-30 | N |
| 13 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | cortex ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.4947e-69 | 313 |
| 14 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.5245e-42 | N |
| 15 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0782e-14 | N |
| 16 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.3248e-43 | N |
| 17 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | cortex ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.5980e-45 | 203 |
| 18 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.7878e-28 | N |
| 19 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.4798e-17 | N |
| 20 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.7878e-28 | N |
| CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | cortex ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.6654e-45 | 206 | |
| 22 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.1227e-27 | N |
| 23 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2214e-10 | N |
| 24 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.9924e-29 | N |
| 25 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | cortex ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.8041e-29 | 130 |
| 26 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.0272e-18 | N |
| 27 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.1593e-11 | N |
| 28 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.0272e-18 | N |
| 29 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | cortex ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.2818e-04 | 17. |
| 30 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.6044e-04 | N |
| CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.0247e-01 | N | |
| 2 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.3408e-02 | N |
| 3 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | cortex ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.2896e-02 | 8. |
| 4 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.1477e-02 | N |
| 5 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | cortex ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.5733e-01 | N |

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|---|---------------------|--------------------------|--------------|------------|-----------------|---------------------------------|--------------------------------|------------|-------|
| 2 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 3.3971e-37 | NA |
| 3 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.9122e-27 | NA |
| 4 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.6534e-43 | NA |
| 5 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | hair cells ERS+ | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 8.4649e-86 | 391.1 |
| 6 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.6924e-58 | NA |
| 7 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.8005e-14 | NA |
| 8 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.4980e-48 | NA |
| 9 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | hair cells ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.0842e-53 | 241.1 |
| 0 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.4109e-32 | NA |
| 1 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.5870e-20 | NA |
| 2 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.1740e-33 | NA |
| 3 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | hair cells ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.0164e-45 | 207.1 |
| 4 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.5614e-33 | NA |
| 5 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.3594e-06 | NA |
| 6 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.6499e-24 | NA |
| 7 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | hair cells ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.7085e-25 | 110.1 |
| 8 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.2971e-15 | NA |
| 9 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.7601e-10 | NA |
| 0 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.8145e-16 | NA |
| 1 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | hair cells ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.7917e-04 | 14.0 |
| 2 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.9517e-03 | NA |
| 3 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.0624e-02 | NA |
| 4 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.8596e-03 | NA |
| 5 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | hair cells ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.5193e-02 | 6.6 |
| 6 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.9481e-02 | NA |
| 7 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.2628e-01 | NA |
| 8 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | hair cells ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.7643e-01 | NA |
| 9 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | hair cells ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.7017e-24 | 106.1 |
| 0 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.7675e-13 | NA |
| 1 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.7696e-08 | NA |
| 2 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.8662e-17 | NA |
| 3 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | hair cells ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.4322e-12 | 54.0 |
| 4 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.5383e-05 | NA |
| 5 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.3732e-08 | NA |

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|---|---------------------|--------------------------|--------------|------------|-----------------|---------------------------------|--------------------------------|------------|------|
| 2 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.1434e-04 | NA |
| 3 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.5788e-07 | NA |
| 4 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.3387e-10 | NA |
| 5 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | hair cells ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 1.0469e-11 | 50.5 |
| 6 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 4.9558e-06 | NA |
| 7 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.9466e-05 | NA |
| 8 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.5203e-09 | NA |
| 9 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | hair cells ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 1.1685e-05 | 22.7 |
| 0 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 6.4525e-02 | NA |
| 1 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.9428e-05 | NA |
| 2 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.4158e-06 | NA |
| 3 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | hair cells ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 8.0625e-06 | 23.8 |
| 4 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.2600e-04 | NA |
| 5 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.8756e-02 | NA |
| 6 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.7920e-04 | NA |
| 7 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | hair cells ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 2.9543e-04 | 16.2 |
| 8 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.9765e-04 | NA |
| 9 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.1683e-01 | NA |
| 0 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | hair cells ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.9374e-01 | NA |
| 1 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | xpp ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 4.6062e-46 | 208. |
| 2 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 2.1037e-23 | NA |
| 3 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.0548e-14 | NA |
| 4 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.4419e-34 | NA |
| 5 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | xpp ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 4.3674e-24 | 107. |
| 6 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.2779e-11 | NA |
| 7 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.3676e-13 | NA |
| 8 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.7959e-20 | NA |
| 9 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | xpp ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 1.0814e-43 | 197. |
| 0 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.1687e-22 | NA |
| 1 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.4236e-13 | NA |
| 2 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.9190e-32 | NA |
| 3 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | xpp ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 7.6111e-22 | 97.2 |
| 4 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 2.7125e-11 | NA |
| 5 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.1131e-11 | NA |

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|---|---------------------|--------------------------|--------------|------------|-------------|---------------------------------|--------------------------------|------------|------|
| 2 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 2.5445e-08 | N |
| 3 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.4584e-08 | N |
| 4 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | xpp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.9861e-12 | N |
| 5 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | xpp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.0051e-02 | 4.8 |
| 6 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | xpp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.9160e-01 | 0.4 |
| 7 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | cortex ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.1336e-11 | 47.8 |
| 8 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.1168e-01 | N |
| 9 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.4847e-10 | N |
| 0 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.0905e-12 | N |
| 1 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | cortex ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.4947e-10 | 41.7 |
| 2 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.6028e-01 | N |
| 3 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0900e-09 | N |
| 4 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.8079e-11 | N |
| 5 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | cortex ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.5759e-11 | 47.6 |
| 6 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.6858e-01 | N |
| 7 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.3258e-10 | N |
| 8 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.5706e-12 | N |
| 9 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | cortex ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.1205e-09 | 39.9 |
| 0 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.0719e-01 | N |
| 1 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.3729e-09 | N |
| 2 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.3648e-10 | N |
| 3 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | cortex ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.5292e-08 | 33.8 |
| 4 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.3863e-02 | N |
| 5 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.9749e-08 | N |
| 6 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.9749e-08 | N |
| 7 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | cortex ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.8021e-07 | 31.0 |
| 8 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.1614e-02 | N |
| 9 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.4791e-06 | N |
| 0 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.9855e-07 | N |
| 1 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | cortex ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.7332e-01 | 3.5 |
| 2 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | cortex ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.0233e-03 | 10.5 |
| 3 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.7274e-03 | N |
| 4 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.8441e-01 | N |
| 5 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | cortex ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.8441e-01 | N |

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|--|---------------------|--------------------------|--------------|------------|-----------------|---------------------------------|--------------------------------|-------------|-----|
| | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.8413e-10 | N |
| | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.5338e-11 | N |
| | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | endodermis ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.1204e-16 | 693 |
| | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.4227e-02 | N |
| | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.2290e-15 | N |
| | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.2290e-15 | N |
| | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | endodermis ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.0531e-08 | 363 |
| | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.5545e-01 | N |
| | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.3526e-08 | N |
| | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.1898e-09 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | endodermis ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.9568e-13 | 583 |
| | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.3537e-03 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.0877e-12 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.1233e-11 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | endodermis ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.9673e-07 | 283 |
| | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.2886e-02 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.7706e-06 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.6926e-07 | N |
| | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | endodermis ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.5353e-02 | 73 |
| | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.6738e-02 | N |
| | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.3299e-02 | N |
| | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | endodermis ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.3299e-02 | N |
| | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | endodermis ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.1468e-01 | 1. |
| | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | endodermis ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.8818e-116 | 529 |
| | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.6407e-73 | N |
| | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.3763e-21 | N |
| | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.5026e-69 | N |
| | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | endodermis ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.7484e-73 | 335 |
| | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.3512e-52 | N |
| | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.9217e-20 | N |
| | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.8674e-37 | N |
| | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | endodermis ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.0813e-105 | 483 |
| | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9634e-67 | N |
| | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.6524e-19 | N |

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|--|---------------------|--------------------------|--------------|------------|-----------------|---------------------------------|--------------------------------|-------------|-----|
| | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.4400e-42 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.3375e-15 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.3216e-43 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | endodermis ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.0581e-42 | 189 |
| | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.3503e-29 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2627e-12 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | endodermis ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.3729e-22 | N |
| | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | endodermis ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.5033e-01 | 3. |
| | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | endodermis ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.6536e-01 | 3. |
| | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | xpp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.1400e-179 | 821 |
| | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.2316e-118 | N |
| | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.1962e-29 | N |
| | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.3054e-99 | N |
| | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | xpp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.2553e-115 | 525 |
| | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9040e-79 | N |
| | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.5377e-33 | N |
| | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.3767e-57 | N |
| | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | xpp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.1886e-163 | 750 |
| | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.6991e-110 | N |
| | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.8095e-26 | N |
| | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.7290e-89 | N |
| | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | xpp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.8581e-102 | 467 |
| | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.5740e-73 | N |
| | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2521e-26 | N |
| | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.8068e-48 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | xpp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.6598e-106 | 483 |
| | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.0122e-72 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.5033e-16 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.4883e-56 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | xpp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.6189e-61 | 279 |
| | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.2180e-45 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.1859e-15 | N |
| | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | xpp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.4316e-29 | N |
| | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | xpp ERS+ | Kruskal-Wallis | Unmethylated vs obM vs TE-like | 9.6965e-02 | 4. |

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|---|---------------------|--------------------------|--------------|------------|----------|---------------------------------|--------------------------------|------------|------|
| 2 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.0191e-51 | NA |
| 3 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.5880e-18 | NA |
| 4 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.1703e-32 | NA |
| 5 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | ppp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.7727e-91 | 414. |
| 6 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.8247e-59 | NA |
| 7 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.4630e-16 | NA |
| 8 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.7070e-52 | NA |
| 9 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | ppp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.1734e-64 | 294. |
| 0 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.7477e-49 | NA |
| 1 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.7198e-15 | NA |
| 2 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.9888e-28 | NA |
| 3 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | ppp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.2333e-59 | 269. |
| 4 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.2574e-38 | NA |
| 5 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.1846e-11 | NA |
| 6 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2440e-35 | NA |
| 7 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | ppp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.7038e-41 | 187. |
| 8 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.7045e-32 | NA |
| 9 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0062e-09 | NA |
| 0 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | ppp ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.8348e-18 | NA |
| 1 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | ppp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.1075e-01 | 4.4. |
| 2 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | ppp ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.1021e-01 | 4.4. |
| 3 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | ppp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.2894e-21 | 96.2 |
| 4 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.0754e-08 | NA |
| 5 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.2539e-10 | NA |
| 6 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.9163e-20 | NA |
| 7 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | ppp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.4011e-10 | 45.3 |
| 8 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.1456e-05 | NA |
| 9 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0119e-06 | NA |
| 0 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.6955e-09 | NA |
| 1 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | ppp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.2098e-21 | 94.3 |
| 2 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.9209e-08 | NA |
| 3 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.0975e-10 | NA |
| 4 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.0263e-19 | NA |
| 5 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | ppp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.9467e-10 | 44.1 |

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|---|---------------------|--------------------------|--------------|------------|-----------------|---------------------------------|--------------------------------|------------|------|
| 2 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.2877e-14 | N |
| 3 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | ppp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.4046e-07 | 28. |
| 4 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.1599e-03 | N |
| 5 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.7927e-05 | N |
| 6 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.5563e-06 | N |
| 7 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | ppp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.9463e-02 | 6. |
| 8 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.9675e-02 | N |
| 9 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2899e-01 | N |
| 0 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.9675e-02 | N |
| 1 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | ppp ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.6582e-03 | 9. |
| 2 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.7440e-03 | N |
| 3 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.8071e-01 | N |
| 4 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | ppp ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.4203e-01 | N |
| 5 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | procambium ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.2810e-84 | 383. |
| 6 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.4975e-48 | N |
| 7 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0080e-20 | N |
| 8 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.5577e-56 | N |
| 9 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | procambium ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.8081e-65 | 297. |
| 0 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.0821e-45 | N |
| 1 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.2632e-19 | N |
| 2 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.1821e-33 | N |
| 3 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | procambium ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.6421e-78 | 358. |
| 4 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.5046e-46 | N |
| 5 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.1139e-18 | N |
| 6 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.2726e-51 | N |
| 7 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | procambium ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.3777e-60 | 273. |
| 8 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.5361e-43 | N |
| 9 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.9987e-16 | N |
| 0 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.4522e-30 | N |
| 1 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | procambium ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.7086e-52 | 237. |
| 2 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.6841e-29 | N |
| 3 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.3210e-13 | N |
| 4 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.0224e-36 | N |
| 5 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | procambium ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.3210e-40 | 181. |

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|----|---------------------|--------------------------|--------------|------------|------------------|---------------------------------|--------------------------------|------------|------|
| | | | | | | | | | |
| 2 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | procambium ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.6316e-01 | N |
| 3 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | procambium ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.5993e-01 | 0. |
| 4 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | procambium ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.3899e-24 | 106. |
| 5 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.2525e-06 | N |
| 6 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.8982e-14 | N |
| 7 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.0866e-24 | N |
| 8 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | procambium ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.2488e-13 | 57. |
| 9 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.6531e-04 | N |
| 10 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.6507e-10 | N |
| 11 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.2903e-14 | N |
| 12 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | procambium ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.5508e-22 | 97. |
| 13 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.6428e-06 | N |
| 14 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.3303e-13 | N |
| 15 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.5166e-22 | N |
| 16 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | procambium ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.3869e-11 | 48. |
| 17 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.1370e-03 | N |
| 18 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0144e-08 | N |
| 19 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.9891e-12 | N |
| 20 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | procambium ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.2992e-16 | 70. |
| 21 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.0178e-03 | N |
| 22 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2022e-10 | N |
| 23 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.1079e-17 | N |
| 24 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | procambium ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.9878e-08 | 33. |
| 25 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.6638e-02 | N |
| 26 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0026e-06 | N |
| 27 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | procambium ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.9499e-09 | N |
| 28 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | procambium ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.0243e-01 | 4. |
| 29 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | procambium ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.0485e-01 | 1. |
| 30 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | protophloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.3953e-16 | 73. |
| 31 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.2496e-08 | N |
| 32 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.3004e-12 | N |
| 33 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2496e-08 | N |
| 34 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protophloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.6263e-10 | 44. |
| 35 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs abM | 7.6097e-06 | N |

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|----|---------------------|--------------------------|--------------|------------|------------------|---------------------------------|--------------------------------|------------|-----|--|
| | | | | | | | | | | |
| 2 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protophloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.5088e-09 | 40. | |
| 3 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.5666e-06 | N | |
| 4 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.5666e-06 | N | |
| 5 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2665e-05 | N | |
| 6 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | protophloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.8467e-15 | 66. | |
| 7 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.3526e-10 | N | |
| 8 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.3882e-09 | N | |
| 9 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.3280e-05 | N | |
| 10 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protophloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.8432e-08 | 35. | |
| 11 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.1372e-06 | N | |
| 12 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0744e-03 | N | |
| 13 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.6381e-03 | N | |
| 14 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | protophloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.3964e-04 | 14. | |
| 15 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9556e-03 | N | |
| 16 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.3866e-02 | N | |
| 17 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | protophloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.4470e-01 | N | |
| 18 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | protophloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.4517e-01 | 2.1 | |
| 19 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | metaphloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.3818e-13 | 58. | |
| 20 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.6930e-02 | N | |
| 21 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.3943e-10 | N | |
| 22 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.8785e-15 | N | |
| 23 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | metaphloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.1809e-06 | 26. | |
| 24 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.2287e-01 | N | |
| 25 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.1590e-06 | N | |
| 26 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.3638e-07 | N | |
| 27 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | metaphloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.3802e-13 | 55. | |
| 28 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.2491e-02 | N | |
| 29 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.7921e-10 | N | |
| 30 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.4968e-14 | N | |
| 31 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | metaphloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.0309e-05 | 21. | |
| 32 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.0772e-01 | N | |
| 33 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0262e-05 | N | |
| 34 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.7118e-06 | N | |
| 35 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | metaphloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.2897e-10 | 43. | |

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|----|---------------------|--------------------------|--------------|------------|------------------|---------------------------------|--------------------------------|------------|-----|
| 2 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.5694e-04 | N |
| 3 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | metaphloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.3886e-02 | 5. |
| 4 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | metaphloem ERS- | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.3731e-02 | 6. |
| 5 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.1452e-01 | N |
| 6 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.9345e-01 | N |
| 7 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | metaphloem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2432e-01 | N |
| 8 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | protophloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.2594e-16 | 71. |
| 9 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.3363e-06 | N |
| 10 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.6896e-08 | N |
| 11 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.6901e-15 | N |
| 12 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protophloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.2344e-13 | 57. |
| 13 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.9099e-09 | N |
| 14 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.5821e-05 | N |
| 15 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.0466e-08 | N |
| 16 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | protophloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.0857e-15 | 68. |
| 17 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.5541e-06 | N |
| 18 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.1857e-08 | N |
| 19 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.3007e-15 | N |
| 20 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protophloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.6621e-13 | 56. |
| 21 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.9525e-09 | N |
| 22 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.3770e-05 | N |
| 23 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.9525e-09 | N |
| 24 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | protophloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.7158e-12 | 50. |
| 25 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.3467e-03 | N |
| 26 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.6966e-07 | N |
| 27 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.1425e-12 | N |
| 28 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protophloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.4956e-09 | 40. |
| 29 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.4416e-06 | N |
| 30 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2740e-04 | N |
| 31 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.0268e-06 | N |
| 32 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | protophloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.1648e-02 | 7. |
| 33 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.0269e-01 | N |
| 34 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.9918e-02 | N |
| 35 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | protophloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.9918e-02 | N |

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|---------------------|--------------------------|--------------|------------|-----------------|---------------------------------|--------------------------------|-------------|-----|
| CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.5300e-31 | N |
| CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.3398e-16 | N |
| CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.7032e-26 | N |
| CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | metaphloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.1710e-62 | 281 |
| CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.5613e-38 | N |
| CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.6543e-14 | N |
| CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.2676e-39 | N |
| CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | metaphloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.2196e-44 | 201 |
| CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.0573e-30 | N |
| CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.1943e-14 | N |
| CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.7221e-23 | N |
| CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | metaphloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.3738e-44 | 201 |
| CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.4920e-27 | N |
| CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2151e-10 | N |
| CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.2811e-29 | N |
| CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | metaphloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.3901e-30 | 137 |
| CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.2404e-21 | N |
| CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.5348e-09 | N |
| CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.6276e-16 | N |
| CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | metaphloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.5222e-02 | 6 |
| CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.8315e-01 | N |
| CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.7824e-02 | N |
| CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.4886e-02 | N |
| CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | metaphloem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 8.3117e-03 | 9 |
| CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9743e-02 | N |
| CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.7943e-01 | N |
| CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | metaphloem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.9743e-02 | N |
| CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | metaxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.1485e-112 | 512 |
| CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.6653e-75 | N |
| CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.4921e-19 | N |
| CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.2121e-61 | N |
| CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | metaxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.1572e-70 | 322 |
| CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.7573e-51 | N |
| CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.4549e-18 | N |

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|---|---------------------|--------------------------|--------------|------------|------------------|---------------------------------|--------------------------------|------------|------|
| 2 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 4.9125e-48 | N |
| 3 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.8950e-16 | N |
| 4 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.7383e-29 | N |
| 5 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | metaxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.3991e-71 | 324. |
| 6 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.7491e-50 | N |
| 7 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.1426e-10 | N |
| 8 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.0196e-36 | N |
| 9 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | metaxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.0178e-41 | 188. |
| 0 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.7887e-33 | N |
| 1 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.7992e-09 | N |
| 2 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.0209e-17 | N |
| 3 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | metaxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.6382e-10 | 44. |
| 4 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.2173e-07 | N |
| 5 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2030e-03 | N |
| 6 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2125e-06 | N |
| 7 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | metaxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.0865e-07 | 29.5 |
| 8 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.2725e-07 | N |
| 9 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.4538e-01 | N |
| 0 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | metaxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.9478e-03 | N |
| 1 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | protoxylem early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.0672e-37 | 170. |
| 2 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.3485e-24 | N |
| 3 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2049e-08 | N |
| 4 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.6754e-23 | N |
| 5 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protoxylem early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.5814e-24 | 106. |
| 6 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.4299e-17 | N |
| 7 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.6594e-07 | N |
| 8 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.0919e-11 | N |
| 9 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | protoxylem early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.9004e-36 | 161. |
| 0 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.6293e-22 | N |
| 1 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.1767e-08 | N |
| 2 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.7100e-22 | N |
| 3 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protoxylem early | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.2046e-22 | 100. |
| 4 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.0921e-17 | N |
| 5 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.8082e-07 | N |

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|---|---------------------|--------------------------|--------------|------------|------------------|---------------------------------|--------------------------------|------------|------|
| 2 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.5884e-12 | N |
| 3 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.8661e-04 | N |
| 4 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.1436e-07 | N |
| 5 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | protoxylem early | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 2.2650e-11 | 49.0 |
| 6 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.7488e-09 | N |
| 7 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.3423e-03 | N |
| 8 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.8556e-05 | N |
| 9 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | protoxylem early | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 1.8457e-07 | 31.0 |
| 0 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 3.0894e-07 | N |
| 1 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.5128e-01 | N |
| 2 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | protoxylem early | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.1879e-02 | N |
| 3 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | protoxylem ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 8.4943e-09 | 37.1 |
| 4 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 2.8241e-07 | N |
| 5 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.9580e-04 | N |
| 6 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.5227e-02 | N |
| 7 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protoxylem ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 3.7955e-07 | 29.5 |
| 8 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 7.1586e-05 | N |
| 9 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.5104e-04 | N |
| 0 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.4489e-03 | N |
| 1 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | protoxylem ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 7.0012e-09 | 37.5 |
| 2 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.6658e-07 | N |
| 3 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.1561e-04 | N |
| 4 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.4692e-02 | N |
| 5 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protoxylem ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 4.7409e-07 | 29.1 |
| 6 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 4.8121e-05 | N |
| 7 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.4249e-03 | N |
| 8 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.7745e-03 | N |
| 9 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | protoxylem ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 3.3450e-10 | 43.6 |
| 0 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 2.1769e-09 | N |
| 1 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2627e-03 | N |
| 2 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2103e-01 | N |
| 3 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protoxylem ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 1.6215e-07 | 31.2 |
| 4 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 3.8629e-06 | N |
| 5 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.9563e-03 | N |

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|---|---------------------|--------------------------|--------------|------------|-----------------|---------------------------------|--------------------------------|------------|------|
| 2 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 8.0289e-02 | |
| 3 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.6377e-01 | |
| 4 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | protoxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.0289e-02 | |
| 5 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | metaxylem ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 8.6098e-25 | 110. |
| 6 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 2.7492e-13 | |
| 7 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.7262e-08 | |
| 8 | CV Expr by Celltype | Unfiltered | cahn_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.2639e-18 | |
| 9 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | metaxylem ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 1.5508e-10 | 45. |
| 0 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.0140e-05 | |
| 1 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.1140e-06 | |
| 2 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2863e-08 | |
| 3 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | metaxylem ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 1.2205e-23 | 105. |
| 4 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.0536e-12 | |
| 5 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.7715e-08 | |
| 6 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.7126e-17 | |
| 7 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | metaxylem ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 2.9019e-10 | 43. |
| 8 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 2.1910e-05 | |
| 9 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.6940e-06 | |
| 0 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.2863e-08 | |
| 1 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | metaxylem ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 1.5380e-17 | 77. |
| 2 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.3107e-08 | |
| 3 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.0811e-07 | |
| 4 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.5321e-14 | |
| 5 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | metaxylem ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 3.0790e-06 | 25. |
| 6 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.0472e-03 | |
| 7 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.2746e-04 | |
| 8 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.5551e-05 | |
| 9 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | metaxylem ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 2.2205e-07 | 30. |
| 0 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 3.6919e-05 | |
| 1 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.6941e-03 | |
| 2 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.3230e-05 | |
| 3 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | metaxylem ERS- | Kruskal-Wallis | Unmethylated vs gbm vs TE-like | 1.1644e-05 | 22. |
| 4 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbm | 1.4584e-05 | |
| 5 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | metaxylem ERS- | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.4028e-01 | |

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|---------------------|--------------------------|--------------------------|--------------|-----------------|---------------------------------|---------------------------------|--------------------------------|-------------|-----|
| 2 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.6606e-03 | N |
| 3 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.9248e-04 | N |
| 4 | CV Expr by Celltype | Unfiltered | bewick_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.9023e-05 | N |
| 5 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | protoxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.6091e-08 | 35. |
| 6 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.4990e-01 | N |
| 7 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.1808e-08 | N |
| 8 | CV Expr by Celltype | James Lloyd 10% Filtered | cahn_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.5358e-09 | N |
| 9 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protoxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.5141e-05 | 20. |
| 10 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.5689e-03 | N |
| CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0632e-03 | N | |
| 12 | CV Expr by Celltype | James Lloyd 10% Filtered | bewick_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.6602e-04 | N |
| 13 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | protoxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.3200e-07 | 29. |
| 14 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.8241e-01 | N |
| 15 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.4501e-07 | N |
| 16 | CV Expr by Celltype | James Lloyd 20% Filtered | cahn_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.7959e-08 | N |
| 17 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protoxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.9273e-04 | 14. |
| 18 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.8974e-02 | N |
| 19 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.8895e-03 | N |
| 20 | CV Expr by Celltype | James Lloyd 20% Filtered | bewick_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.2302e-04 | N |
| CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | protoxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.1407e-05 | 20. | |
| 22 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.0166e-04 | N |
| 23 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.3933e-02 | N |
| 24 | CV Expr by Celltype | Mean > 0.5 Filtered | cahn_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.0166e-04 | N |
| 25 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | protoxylem ERS+ | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.9250e-03 | 10. |
| 26 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.4186e-03 | N |
| 27 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.2644e-01 | N |
| 28 | CV Expr by Celltype | Mean > 1 Filtered | cahn_group | cv_expr_ct | protoxylem ERS+ | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.6590e-02 | N |
| 29 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | rootcap | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.6466e-149 | 684 |
| 30 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.1085e-89 | N |
| CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.1433e-31 | N | |
| 32 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.6075e-96 | N |
| 33 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | rootcap | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.2666e-108 | 494 |
| 34 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9901e-70 | N |
| 35 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.5667e-34 | N |

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|--------------------|--------------------------|--------------|------------|-----------|---------------------------------|--------------------------------|-------------|------|
| CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.2071e-61 | N |
| CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.7142e-30 | N |
| CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 5.2530e-54 | N |
| CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | rootcap | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.2114e-60 | 273 |
| CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.0681e-35 | N |
| CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.2766e-14 | N |
| CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.0990e-40 | N |
| CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | rootcap | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.4941e-42 | 191 |
| CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.2895e-29 | N |
| CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.0379e-13 | N |
| CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.4274e-24 | N |
| CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | rootcap | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.2127e-12 | 54 |
| CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.1104e-13 | N |
| CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.9200e-02 | N |
| CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | rootcap | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.1506e-01 | N |
| CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | rootcap | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.9792e-02 | 4. |
| CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | epidermis | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.9358e-309 | 1419 |
| CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.3662e-210 | N |
| CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.6065e-47 | N |
| CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.5675e-168 | N |
| CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | epidermis | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.1094e-189 | 865 |
| CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.0782e-121 | N |
| CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.6805e-60 | N |
| CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.1727e-105 | N |
| CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | epidermis | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.7877e-241 | 1105 |
| CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.7690e-172 | N |
| CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.2651e-30 | N |
| CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.2702e-122 | N |
| CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | epidermis | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.2044e-139 | 637 |
| CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.9856e-94 | N |
| CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.5697e-40 | N |
| CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.9070e-73 | N |
| CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | epidermis | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.8526e-130 | 595 |
| CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.8730e-96 | N |

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|---|--------------------|--------------------------|--------------|------------|-----------|---------------------------------|--------------------------------|------------|-------|
| 2 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | epidermis | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 4.5296e–11 | 47.0 |
| 3 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 6.2953e–08 | NaN |
| 4 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 6.3234e–04 | NaN |
| 5 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 7.2540e–07 | NaN |
| 6 | CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | epidermis | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 4.5057e–08 | 33.8 |
| 7 | CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 9.3966e–08 | NaN |
| 8 | CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.4365e–01 | NaN |
| 9 | CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | epidermis | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 4.2200e–03 | NaN |
| 0 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | cortex | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.0394e–69 | 317.0 |
| 1 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 2.5089e–40 | NaN |
| 2 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.1777e–16 | NaN |
| 3 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 7.3449e–47 | NaN |
| 4 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | cortex | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 7.9787e–47 | 212.0 |
| 5 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 5.3593e–27 | NaN |
| 6 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.8545e–19 | NaN |
| 7 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 7.0532e–32 | NaN |
| 8 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | cortex | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 3.4100e–63 | 287.0 |
| 9 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 1.0047e–35 | NaN |
| 0 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 5.1871e–16 | NaN |
| 1 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 2.0698e–43 | NaN |
| 2 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | cortex | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.6923e–41 | 187.0 |
| 3 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 7.2955e–24 | NaN |
| 4 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 1.4350e–17 | NaN |
| 5 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 1.7841e–28 | NaN |
| 6 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | cortex | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.1207e–37 | 168.0 |
| 7 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 2.2628e–20 | NaN |
| 8 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 6.3774e–11 | NaN |
| 9 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 4.4072e–27 | NaN |
| 0 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | cortex | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 7.1971e–24 | 106.0 |
| 1 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 9.4153e–14 | NaN |
| 2 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs TE-like | 7.5379e–11 | NaN |
| 3 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | gbM vs TE-like | 1.9801e–17 | NaN |
| 4 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | cortex | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 8.0062e–03 | 9.6 |
| 5 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | cortex | Pairwise Wilcoxon (BH–adjusted) | Unmethylated vs gbM | 1.4018e–02 | NaN |

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|--------------------|--------------------------|--------------|------------|------------|---------------------------------|--------------------------------|-------------|-----|
| CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | xpp | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.3804e–176 | 809 |
| CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 7.9628e–113 | N |
| CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.8423e–32 | N |
| CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.6009e–103 | N |
| CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | xpp | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.0915e–113 | 520 |
| CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9253e–75 | N |
| CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.5165e–35 | N |
| CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.9991e–60 | N |
| CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | xpp | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.6196e–158 | 725 |
| CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.2988e–103 | N |
| CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.1636e–27 | N |
| CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.7584e–91 | N |
| CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | xpp | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 8.9219e–98 | 446 |
| CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.6519e–69 | N |
| CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.4012e–26 | N |
| CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.5864e–48 | N |
| CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | xpp | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 7.1113e–97 | 442 |
| CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.4777e–65 | N |
| CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.9328e–15 | N |
| CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.9092e–54 | N |
| CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | xpp | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.4185e–55 | 252 |
| CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.6118e–40 | N |
| CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.5798e–14 | N |
| CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | xpp | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.1334e–27 | N |
| CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | xpp | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.2624e–01 | 4. |
| CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | xpp | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 3.8235e–01 | 1. |
| CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | endodermis | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 2.2916e–108 | 495 |
| CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.0618e–64 | N |
| CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.5655e–23 | N |
| CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | endodermis | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.4701e–69 | N |
| CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | endodermis | Kruskal–Wallis | Unmethylated vs gbM vs TE-like | 1.9231e–73 | 334 |
| CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.2902e–48 | N |
| CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.0011e–23 | N |
| CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | endodermis | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.8037e–41 | N |

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|---|--------------------|--------------------------|--------------|------------|------------|---------------------------------|--------------------------------|------------|------|
| 2 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.1881e-20 | |
| 3 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | endodermis | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.2744e-36 | |
| 4 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | endodermis | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.6084e-60 | 273. |
| 5 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.0227e-33 | |
| 6 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.6419e-16 | |
| 7 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | endodermis | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.8321e-42 | |
| 8 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | endodermis | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.6142e-38 | 174. |
| 9 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9394e-25 | |
| 0 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | endodermis | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.0341e-13 | |
| 1 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | endodermis | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.4451e-22 | |
| 2 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | endodermis | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.5802e-01 | 1.1 |
| 3 | CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | endodermis | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.1718e-01 | 4.2 |
| 4 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | ppp | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.1332e-97 | 446. |
| 5 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.0100e-62 | |
| 6 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.0606e-18 | |
| 7 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.6211e-58 | |
| 8 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | ppp | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.1157e-69 | 315. |
| 9 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.2428e-49 | |
| 0 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.8909e-19 | |
| 1 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.9875e-33 | |
| 2 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | ppp | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.5128e-90 | 413. |
| 3 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.9945e-58 | |
| 4 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.1741e-16 | |
| 5 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.9697e-54 | |
| 6 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | ppp | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.8016e-63 | 286. |
| 7 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.4241e-46 | |
| 8 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2606e-16 | |
| 9 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.0317e-29 | |
| 0 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | ppp | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.2910e-55 | 252. |
| 1 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.1032e-35 | |
| 2 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.1405e-11 | |
| 3 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.1032e-35 | |
| 4 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | ppp | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.1322e-38 | 172. |
| 5 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.1864e-28 | |

| | | | | | | | | | |
|---|--------------------|--------------------------|--------------|------------|------------|---------------------------------|--------------------------------|------------|-------|
| 2 | CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | ppp | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.8660e-01 | NaN |
| 3 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | procambium | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.5501e-90 | 411.1 |
| 4 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.4451e-48 | NaN |
| 5 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 8.9099e-25 | NaN |
| 6 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.1453e-64 | NaN |
| 7 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | procambium | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.5160e-68 | 310.1 |
| 8 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.3505e-44 | NaN |
| 9 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.4196e-23 | NaN |
| 0 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.6249e-39 | NaN |
| 1 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | procambium | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.2939e-82 | 374.1 |
| 2 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.2739e-46 | NaN |
| 3 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.2144e-21 | NaN |
| 4 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.4023e-56 | NaN |
| 5 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | procambium | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.8724e-61 | 277.1 |
| 6 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.3671e-41 | NaN |
| 7 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.8130e-19 | NaN |
| 8 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.6368e-33 | NaN |
| 9 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | procambium | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.7083e-50 | 229.1 |
| 0 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.1949e-26 | NaN |
| 1 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.1030e-14 | NaN |
| 2 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.9650e-37 | NaN |
| 3 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | procambium | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.6346e-38 | 171.1 |
| 4 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.8424e-26 | NaN |
| 5 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.8807e-12 | NaN |
| 6 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.5175e-21 | NaN |
| 7 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | procambium | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.9674e-02 | 6.4 |
| 8 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 8.3963e-02 | NaN |
| 9 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.0732e-01 | NaN |
| 0 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | procambium | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.5945e-01 | NaN |
| 1 | CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | procambium | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.6388e-01 | 1.5 |
| 2 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | phloem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 7.8073e-83 | 378.1 |
| 3 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.7321e-44 | NaN |
| 4 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.1461e-23 | NaN |
| 5 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 3.9761e-58 | NaN |

| | | | | | | | | | |
|----|--------------------|--------------------------|--------------|------------|--------|---------------------------------|--------------------------------|-------------|-----|
| 2 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.0425e-20 | N |
| 3 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.4548e-52 | N |
| 4 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | phloem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 2.7654e-54 | 246 |
| 5 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 5.4642e-36 | N |
| 6 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 5.8310e-18 | N |
| 7 | CV Expr by Lineage | James Lloyd 10% Filtered | bewick_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.4446e-30 | N |
| 8 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | phloem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 9.2760e-48 | 216 |
| 9 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.7870e-25 | N |
| 10 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 4.0854e-14 | N |
| 11 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 9.8308e-35 | N |
| 12 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | phloem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.6343e-32 | 143 |
| 13 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.0738e-23 | N |
| 14 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.9982e-09 | N |
| 15 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 2.4731e-16 | N |
| 16 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | phloem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.0174e-02 | 6. |
| 17 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.9081e-01 | N |
| 18 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 6.9655e-02 | N |
| 19 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.9655e-02 | N |
| 20 | CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | phloem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 4.3065e-02 | 6. |
| 21 | CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.0146e-01 | N |
| 22 | CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.2611e-01 | N |
| 23 | CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | phloem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.3077e-02 | N |
| 24 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | xylem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 5.8103e-123 | 562 |
| 25 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.7546e-77 | N |
| 26 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 3.1932e-25 | N |
| 27 | CV Expr by Lineage | Unfiltered | cahn_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.4976e-72 | N |
| 28 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | xylem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.2765e-85 | 390 |
| 29 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 3.3495e-60 | N |
| 30 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.6095e-24 | N |
| 31 | CV Expr by Lineage | Unfiltered | bewick_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 6.8907e-41 | N |
| 32 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | xylem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.5586e-111 | 510 |
| 33 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 2.5763e-70 | N |
| 34 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 7.8252e-23 | N |
| 35 | CV Expr by Lineage | James Lloyd 10% Filtered | cahn_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 1.1920e-65 | N |

Grid Plot Statistics (Page 57 of 57)

| | Context | Filter_Tag | Group_Type | Value_Type | Specific_Context | Test | Comparison | P_value | Stat |
|---|--------------------|--------------------------|-------------------|-------------------|-------------------------|---------------------------------|--------------------------------|----------------|-------------|
| 1 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 1.8513e-41 | N |
| 2 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.4260e-12 | N |
| 3 | CV Expr by Lineage | James Lloyd 20% Filtered | cahn_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.3349e-37 | N |
| 4 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | xylem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 6.2487e-40 | 180.0 |
| 5 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 6.0586e-32 | N |
| 6 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 1.3751e-08 | N |
| 7 | CV Expr by Lineage | James Lloyd 20% Filtered | bewick_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 8.9477e-16 | N |
| 8 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | xylem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 1.3612e-08 | 36.2 |
| 9 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 4.8762e-06 | N |
| 0 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 2.0653e-03 | N |
| 1 | CV Expr by Lineage | Mean > 0.5 Filtered | cahn_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 4.8762e-06 | N |
| 2 | CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | xylem | Kruskal-Wallis | Unmethylated vs gbM vs TE-like | 3.3365e-06 | 25.2 |
| 3 | CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs gbM | 9.9192e-06 | N |
| 4 | CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | Unmethylated vs TE-like | 9.7340e-02 | N |
| 5 | CV Expr by Lineage | Mean > 1 Filtered | cahn_group | cv_expr_ln | xylem | Pairwise Wilcoxon (BH-adjusted) | gbM vs TE-like | 7.7190e-03 | N |