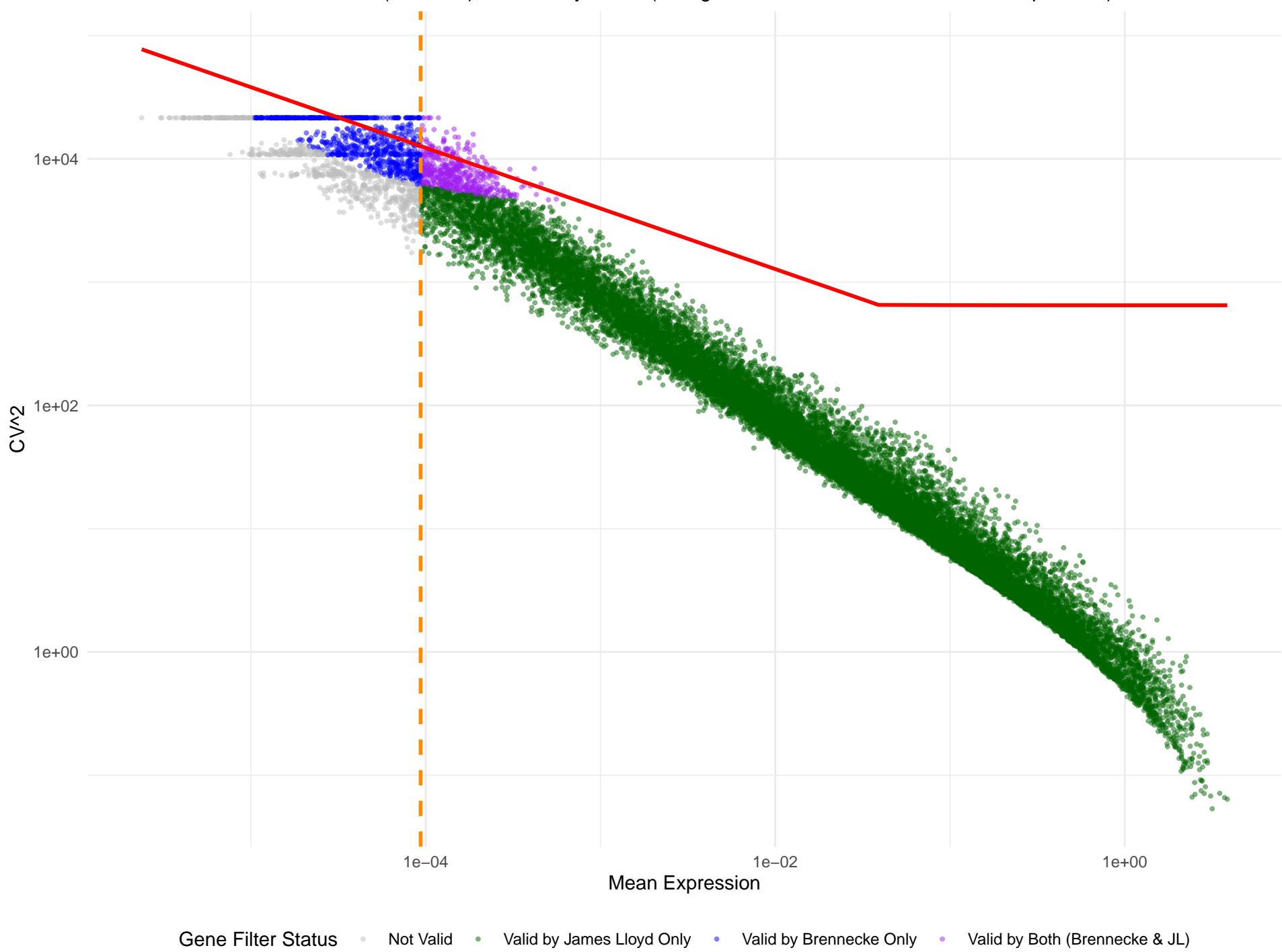


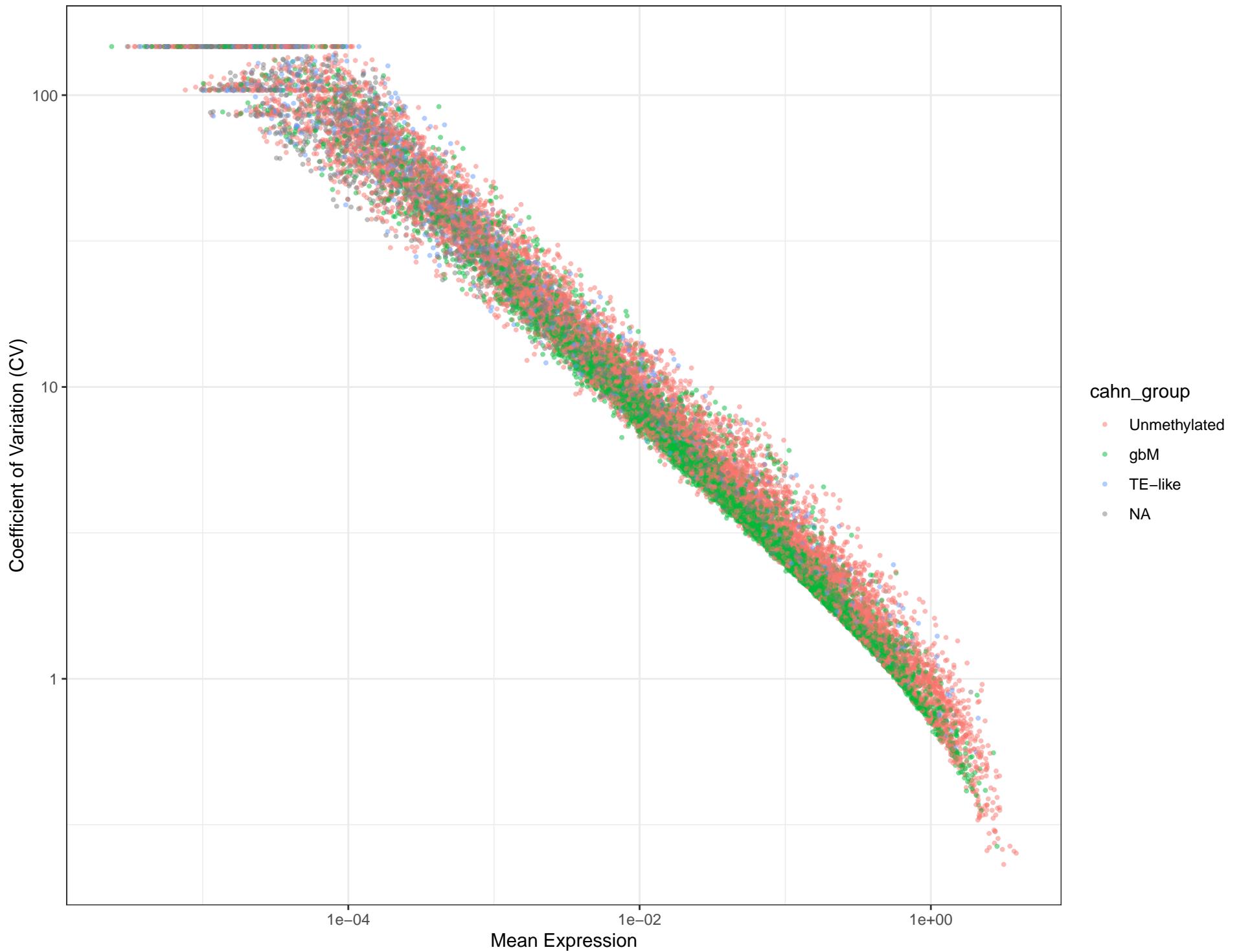
Mean Expression vs CV^2 with Filtering Methods

Brennecke Fit (Red Line), James Lloyd Filter (Orange Dashed Line at 9.36e-05 Mean Expression)

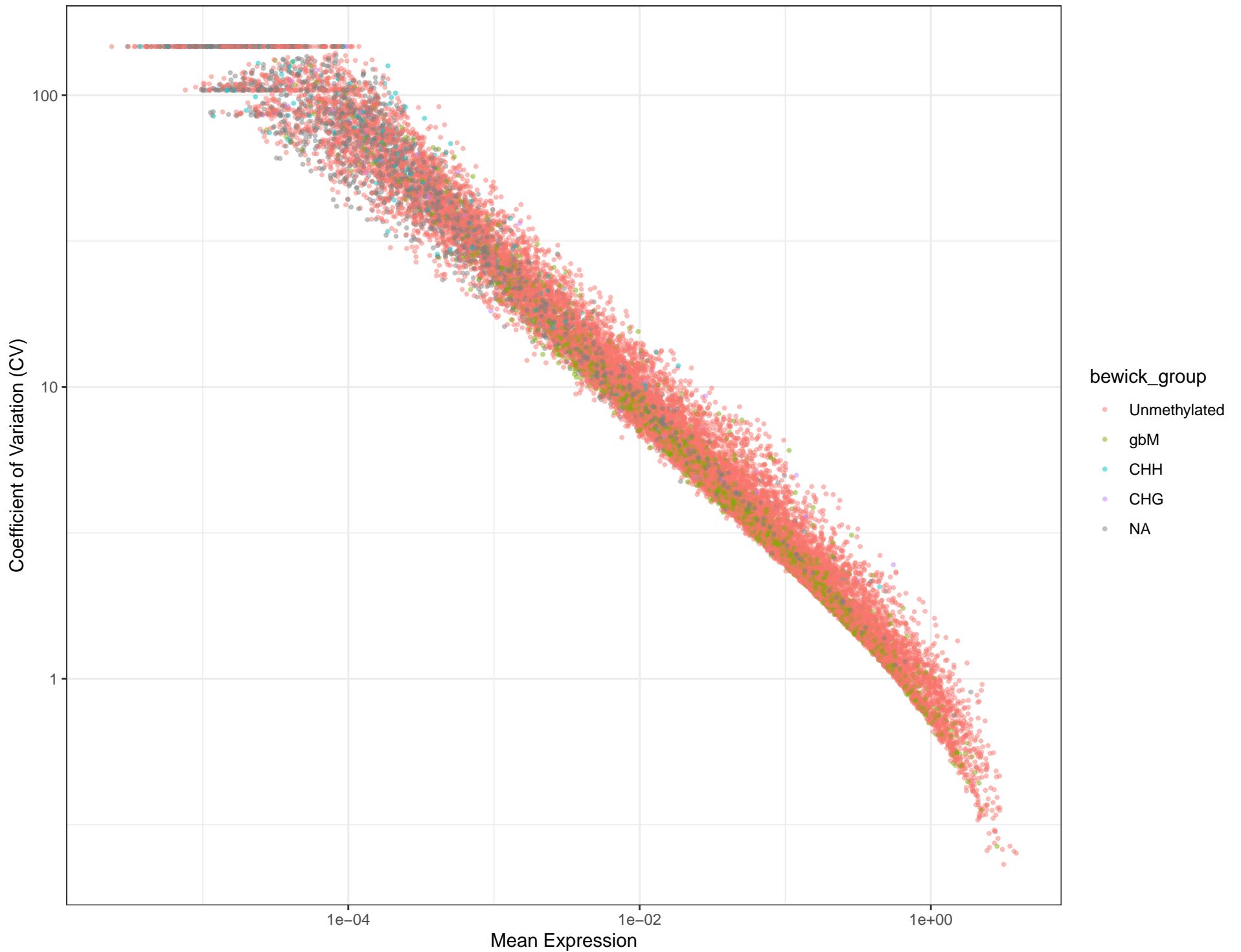


Gene Filter Status • Not Valid • Valid by James Lloyd Only • Valid by Brennecke Only • Valid by Both (Brennecke & JL)

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



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



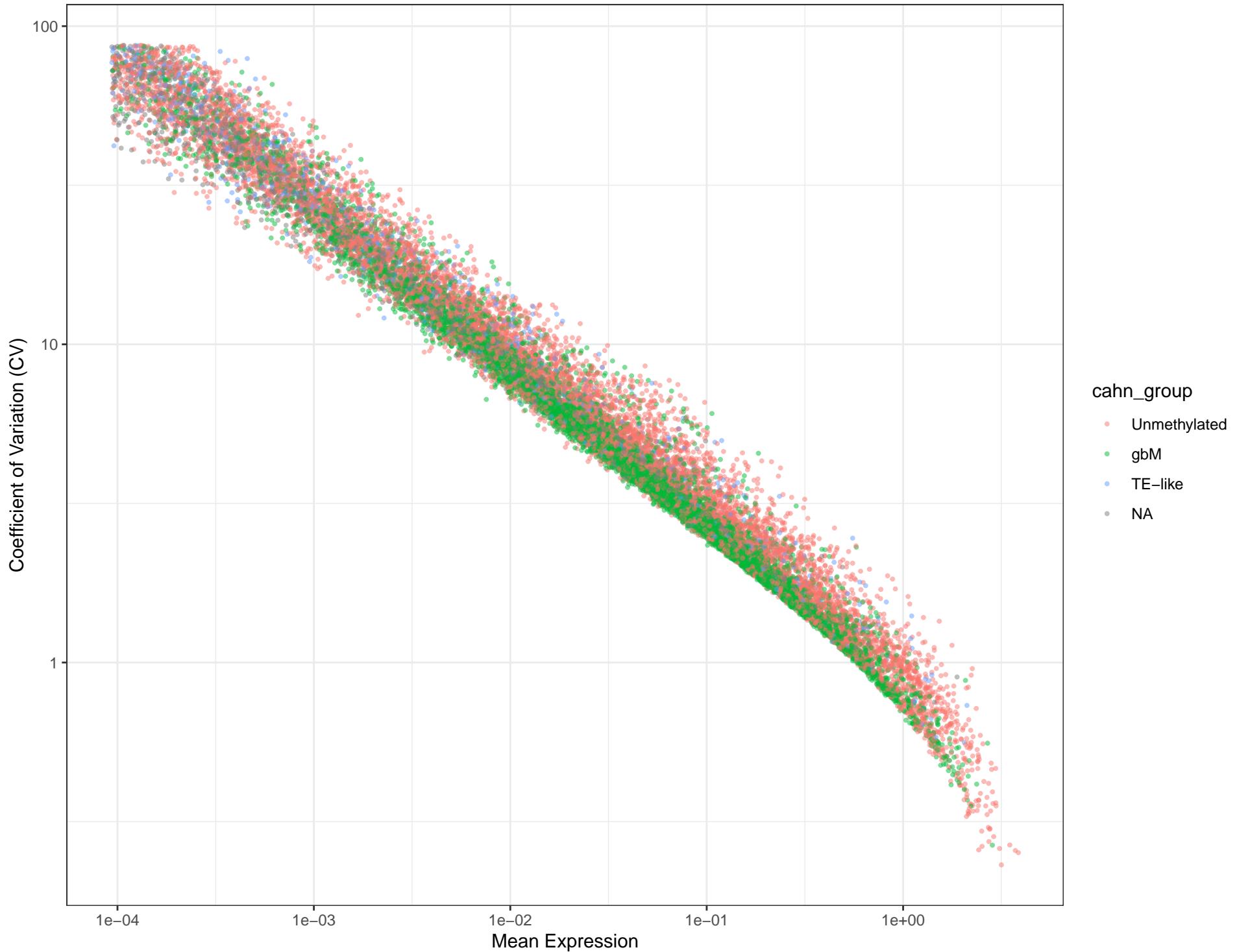
Mean vs CV by Cahn Group (Brennecke Filter Only)



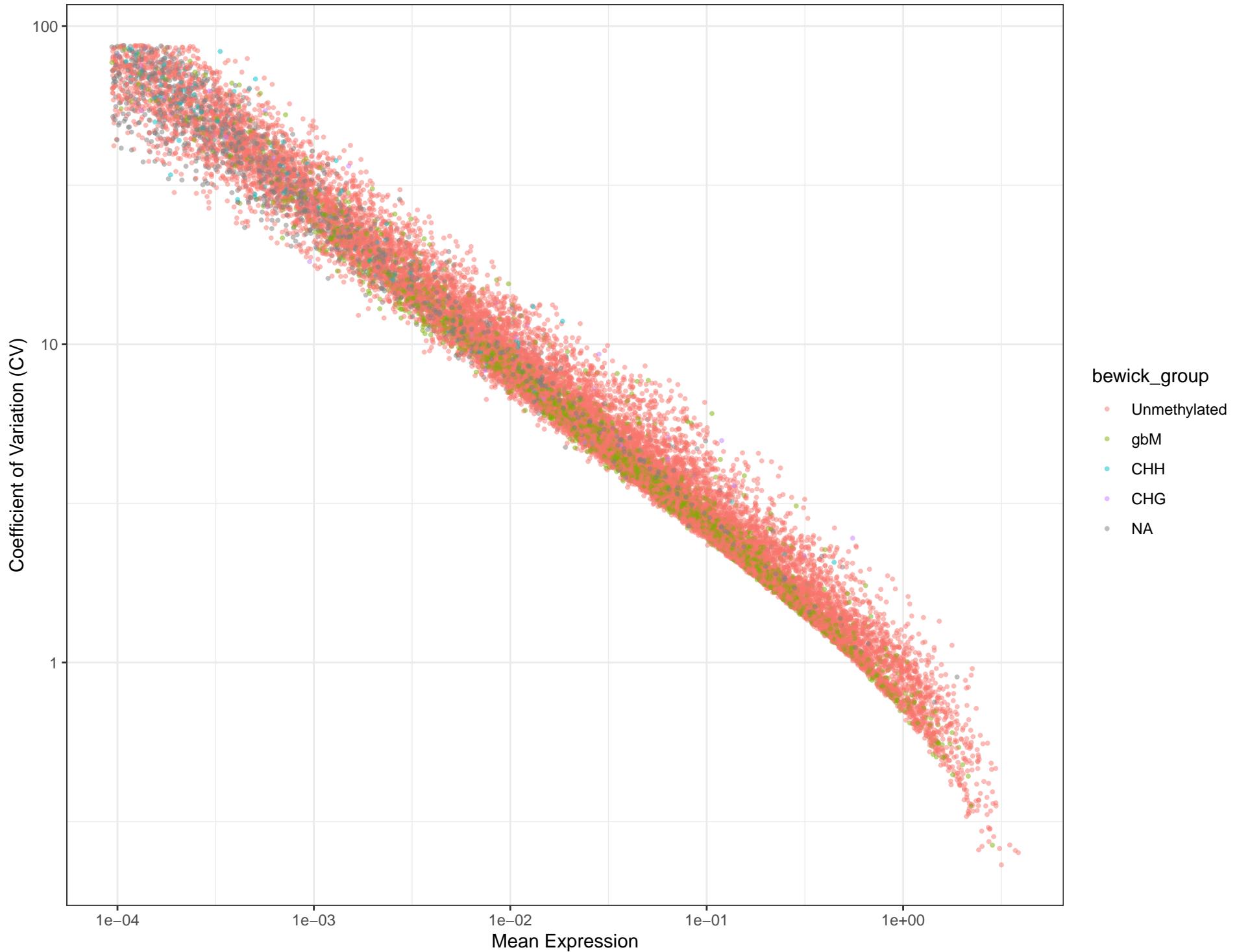
Mean vs CV by Bewick Group (Brennecke Filter Only)



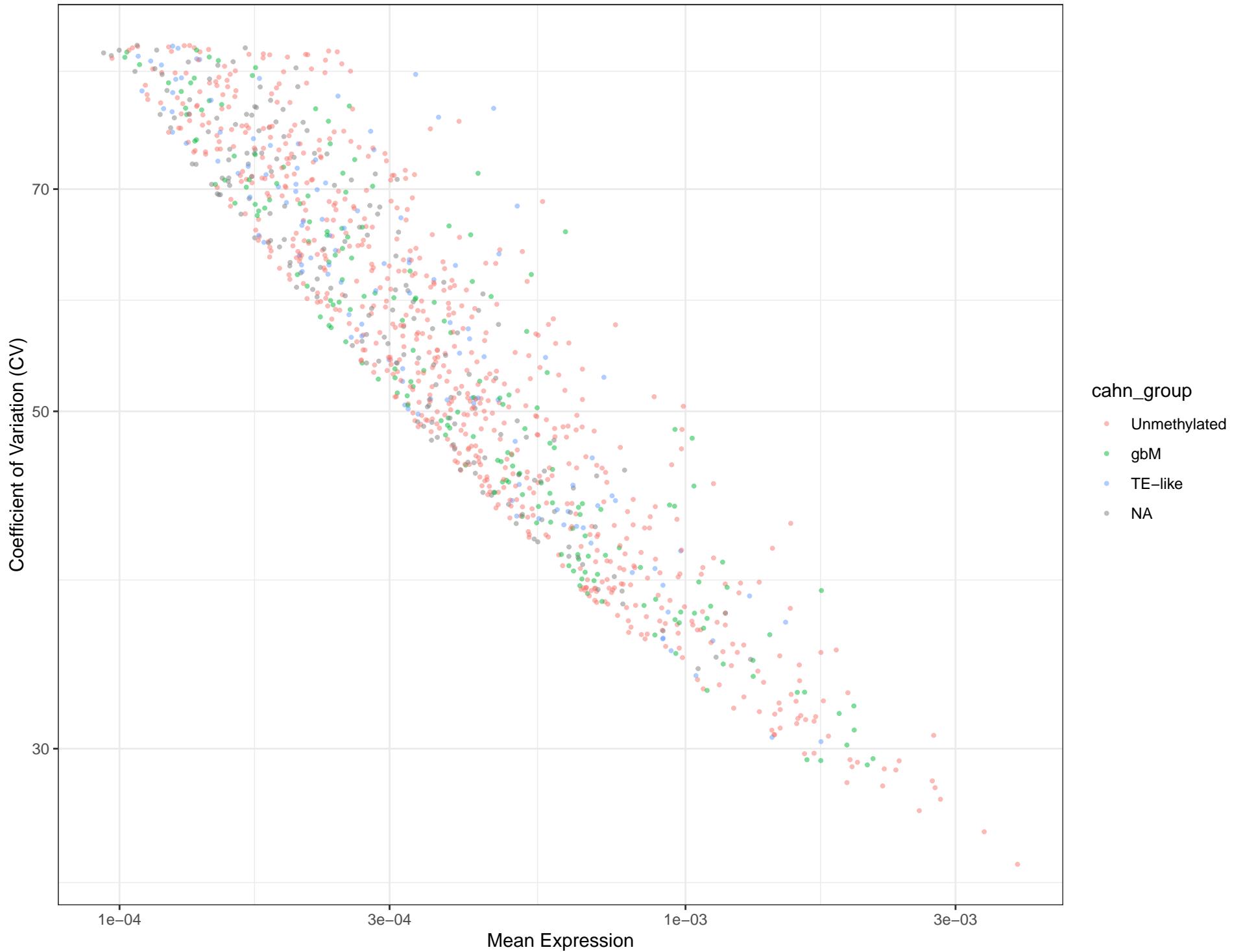
Mean vs CV by Cahn Group (James Lloyd Filter Only)



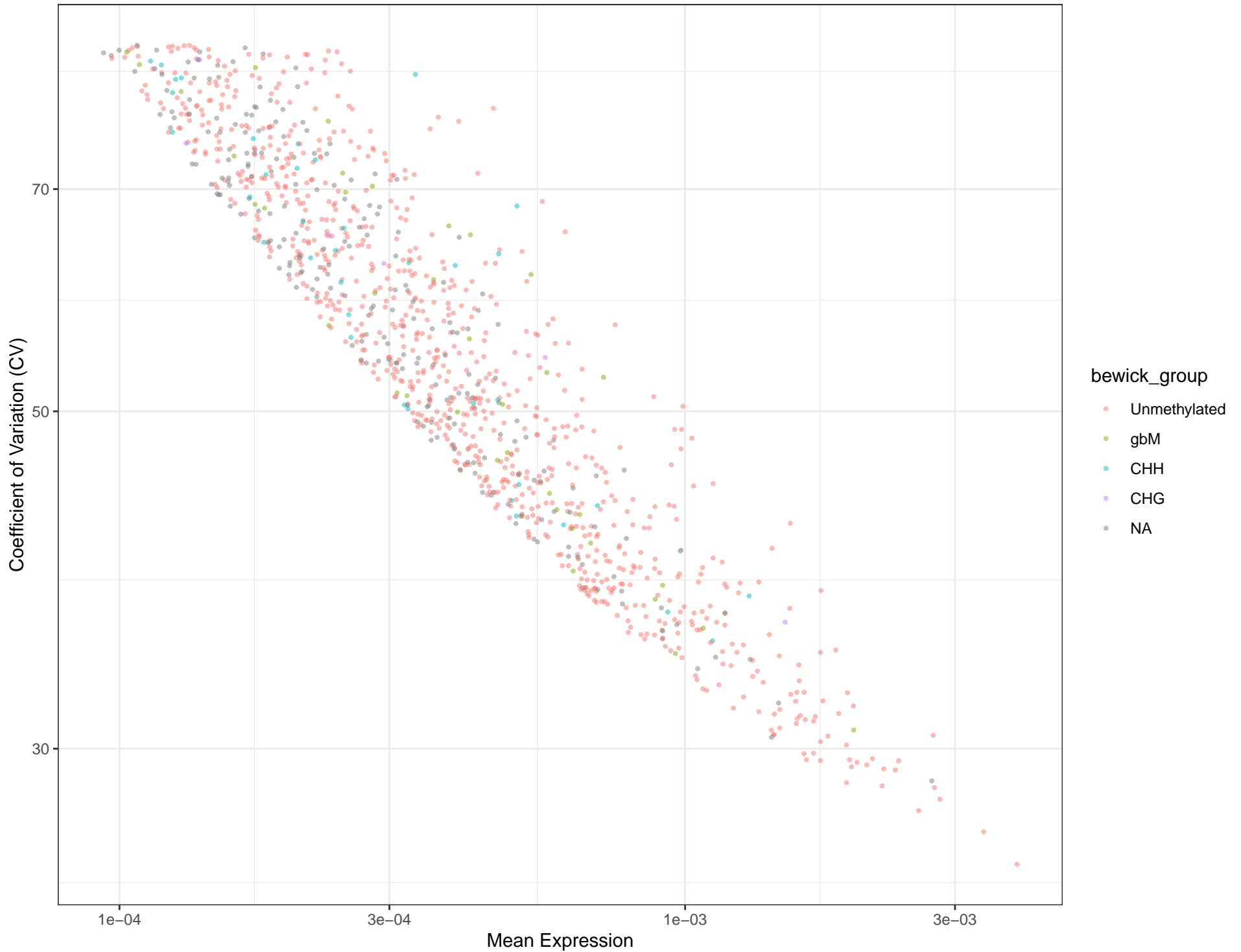
Mean vs CV by Bewick Group (James Lloyd Filter Only)



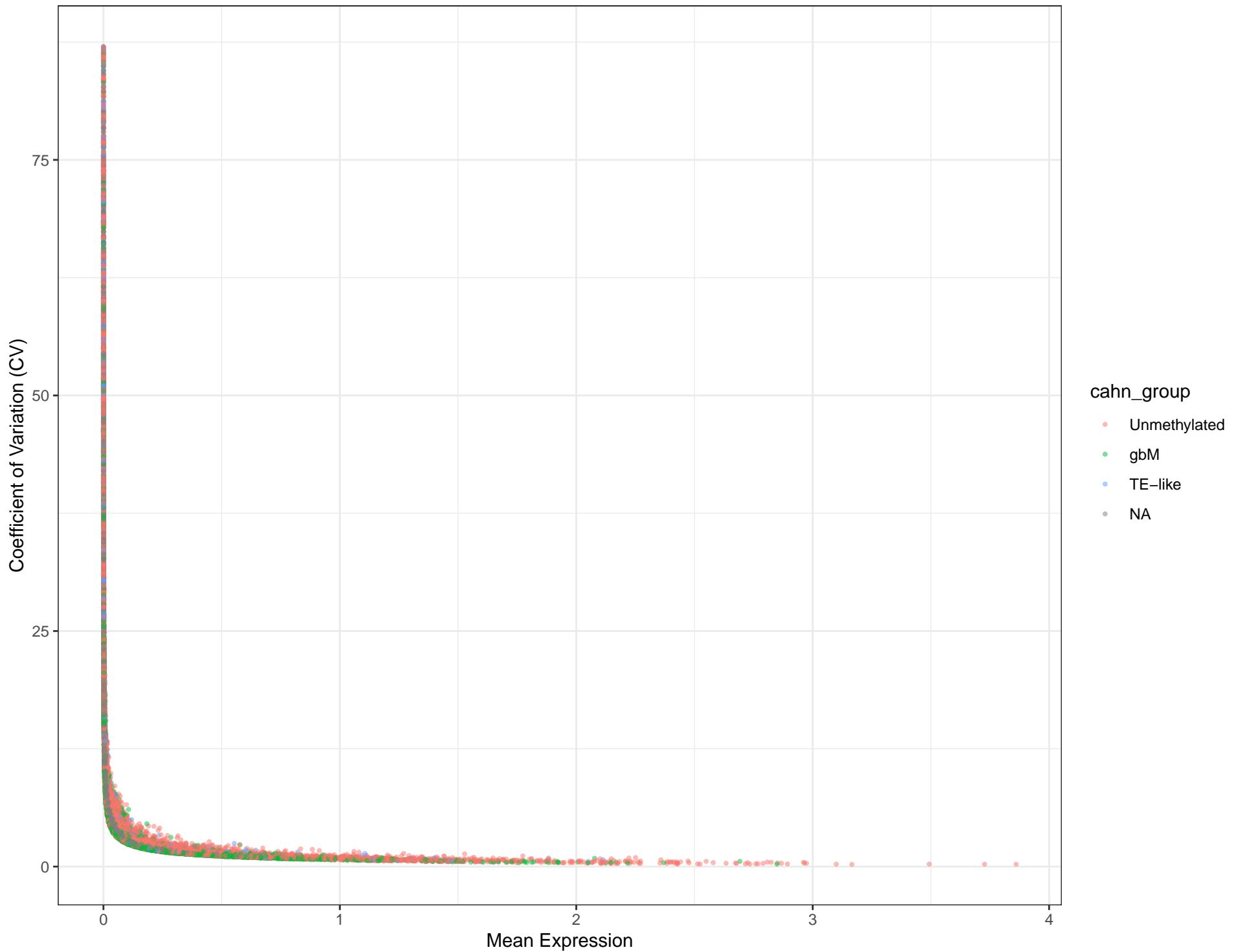
Mean vs CV by Cahn Group (James Lloyd Filter THEN Brennecke)



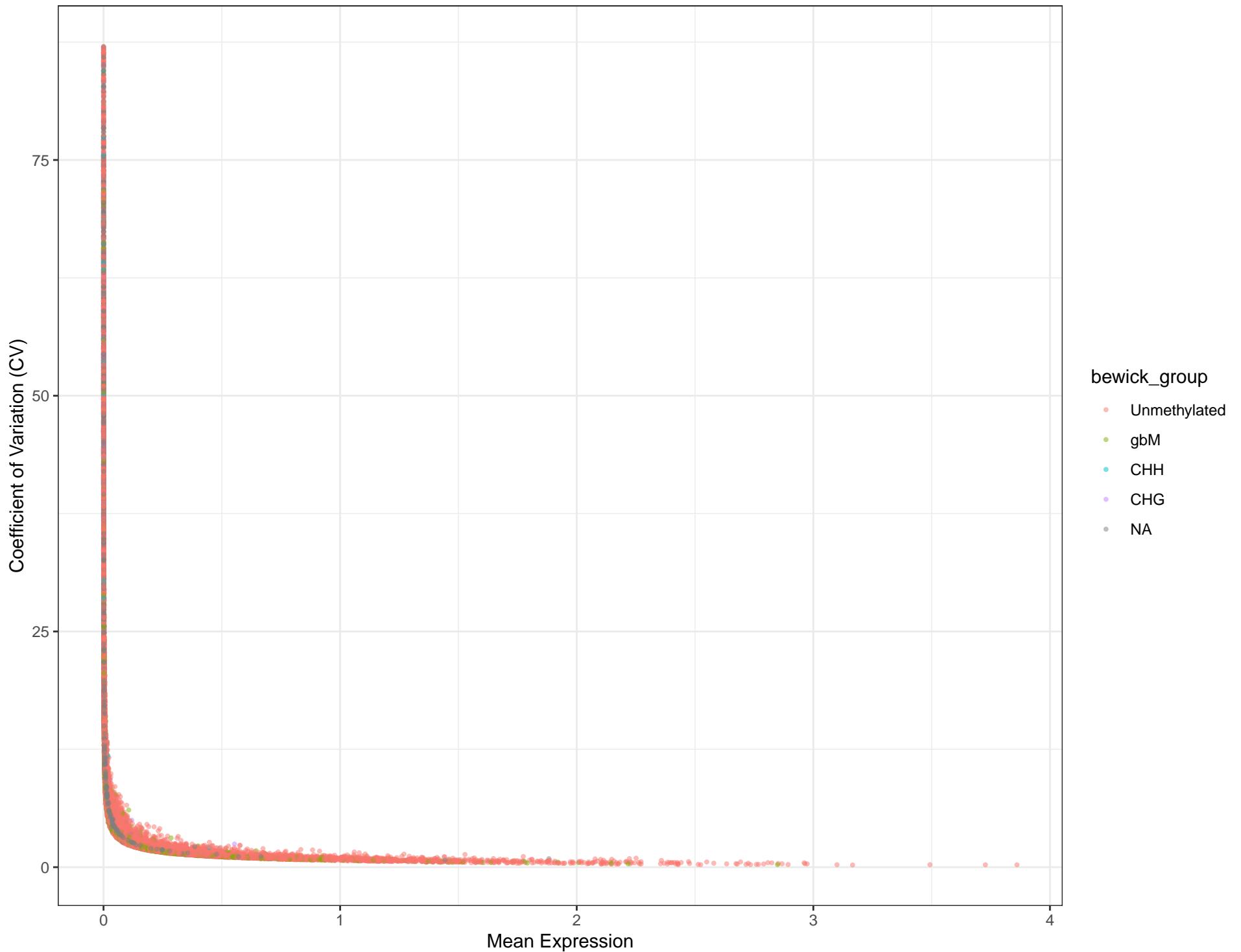
Mean vs CV by Bewick Group (James Lloyd Filter THEN Brennecke)



Mean vs CV by Cahn Group (James Lloyd Filter Only, No Log Scale)



Mean vs CV by Bewick Group (James Lloyd Filter Only, No Log Scale)



Mean vs CV by Cahn Group (Brennecke Filter Only, No Log Scale)



Mean vs CV by Bewick Group (Brennecke Filter Only, No Log Scale)



Summary of Genes by Filter Category

filter_category	Count	Median_CV	Median_CV2	Median_Mean_Expr
Not Valid	632	8.58e+01	7.36e+03	3.29e-05
Valid by James Lloyd Only	22705	4.52e+00	2.05e+01	3.94e-02
Valid by Brennecke Only	732	1.17e+02	1.36e+04	4.76e-05
Valid by Both (Brennecke & JL)	497	8.62e+01	7.43e+03	1.43e-04

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	NA
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	border cells	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.7253e-34	NA
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	border cells	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.5680e-87	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	border cells	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	4.4207e-108	494.38
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	border cells	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.4529e-66	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	border cells	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.7592e-38	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	border cells	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.6172e-69	NA
Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	border cells	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.5290e-01	3.75
Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	border cells	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.9775e-01	1.02
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	border cells	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.8363e-66	302.72
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	border cells	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.4396e-33	NA
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	border cells	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.2589e-20	NA
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	border cells	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.8750e-50	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	border cells	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.0046e-66	302.55
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	border cells	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.7167e-41	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	border cells	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	8.3896e-24	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	border cells	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.7167e-41	NA
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	root cap early	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.2761e-294	1353.4
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	root cap early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.2556e-181	NA
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	root cap early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.5343e-55	NA
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	root cap early	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	9.0471e-188	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	root cap early	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.5746e-202	928.35
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	root cap early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.2569e-132	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	root cap early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.4315e-61	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	root cap early	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	8.6417e-117	NA
Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	root cap early	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.5905e-01	1.16
Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	root cap early	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.6489e-01	0.29
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	root cap early	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.6494e-203	932.90
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	root cap early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.3602e-130	NA
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	root cap early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	4.5152e-34	NA
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	root cap early	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	7.3802e-124	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	root cap early	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.7918e-134	615.03
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	root cap early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	6.4325e-92	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	root cap early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.8022e-37	NA

Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	root cap tip	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	9.5726e-114	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	root cap tip	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.2285e-52	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	root cap tip	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.3015e-96	NA
Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	root cap tip	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.6635e-01	1.13
Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	root cap tip	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.8436e-01	3.38
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	root cap tip	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	7.9023e-135	617.5
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	root cap tip	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	8.9915e-85	NA
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	root cap tip	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.8930e-25	NA
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	root cap tip	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.3502e-83	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	root cap tip	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	7.1503e-111	507.2
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	root cap tip	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.3008e-77	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	root cap tip	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.4202e-30	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	root cap tip	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	5.1758e-57	NA
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	root cap lateral	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	4.8907e-197	904.0
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	root cap lateral	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	9.3884e-118	NA
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	root cap lateral	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	9.7703e-40	NA
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	root cap lateral	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	5.8143e-131	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	root cap lateral	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.4155e-162	741.7
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	root cap lateral	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.5468e-105	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	root cap lateral	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.3898e-49	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	root cap lateral	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.9034e-95	NA
Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	root cap lateral	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.8950e-01	1.88
Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	root cap lateral	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.4885e-01	0.32
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	root cap lateral	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.1187e-121	555.72
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	root cap lateral	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.3982e-76	NA
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	root cap lateral	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.2151e-22	NA
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	root cap lateral	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	7.2134e-77	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	root cap lateral	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.5177e-101	464.28
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	root cap lateral	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.1752e-70	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	root cap lateral	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.1275e-28	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	root cap lateral	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.9353e-55	NA
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	columella	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.4802e-300	1378.1
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	columella	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.6316e-193	NA
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	columella	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.1011e-49	NA

2	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	columella	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.4560e-01	3.85
3	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	columella	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.7959e-212	975.1
4	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	columella	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.9462e-142	NA
5	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	columella	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.8673e-31	NA
6	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	columella	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.8001e-121	NA
7	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	columella	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	3.4479e-149	683.6
8	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	columella	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.3451e-110	NA
9	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	columella	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.4656e-34	NA
10	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	columella	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.6049e-70	NA
11	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	non-hair cells	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.2076e-248	1141.7
12	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	non-hair cells	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.0467e-150	NA
13	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	non-hair cells	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.0006e-49	NA
14	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	non-hair cells	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.2665e-161	NA
15	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	non-hair cells	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	2.7911e-172	790.0
16	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	non-hair cells	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.6761e-105	NA
17	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	non-hair cells	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.1117e-59	NA
18	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	non-hair cells	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	9.2248e-110	NA
19	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	non-hair cells	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	6.1843e-01	0.96
20	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	non-hair cells	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	7.1873e-01	0.66
21	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	non-hair cells	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.3517e-162	745.4
22	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	non-hair cells	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.3132e-102	NA
23	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	non-hair cells	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	5.7858e-29	NA
24	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	non-hair cells	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	8.5598e-101	NA
25	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	non-hair cells	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	5.0195e-108	494.1
26	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	non-hair cells	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.3102e-68	NA
27	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	non-hair cells	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.8358e-35	NA
28	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	non-hair cells	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.3972e-67	NA
29	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	epidermis early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	0.0000e+00	1836.4
30	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	epidermis early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	6.7586e-267	NA
31	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	epidermis early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.4397e-63	NA
32	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	epidermis early	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.3349e-225	NA
33	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	epidermis early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	5.2826e-232	1065.0
34	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	epidermis early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.5864e-153	NA
35	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	epidermis early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.5221e-69	NA

2	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	epidermis early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.8641e–298	1371.0
3	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	epidermis early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	3.5709e–208	NA
4	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	epidermis early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE-like	1.8531e–40	NA
5	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	epidermis early	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE-like	7.0986e–157	NA
6	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	epidermis early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	4.8095e–160	733.6
7	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	epidermis early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	9.6800e–110	NA
8	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	epidermis early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE-like	1.3988e–44	NA
9	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	epidermis early	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE-like	1.5960e–84	NA
10	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	hair cells early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	2.0280e–315	1449.2
11	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	hair cells early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	2.4437e–207	NA
12	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	hair cells early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE-like	5.9732e–50	NA
13	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	hair cells early	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE-like	1.1586e–185	NA
14	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	hair cells early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	4.8592e–192	881.0
15	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	hair cells early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	1.1451e–124	NA
16	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	hair cells early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE-like	9.7171e–59	NA
17	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	hair cells early	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE-like	5.4269e–114	NA
18	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	hair cells early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	7.2562e–01	0.64
19	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	hair cells early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	9.7505e–01	0.05
20	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	hair cells early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	3.2910e–222	1019.9
21	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	hair cells early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	1.2328e–153	NA
22	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	hair cells early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE-like	1.8858e–29	NA
23	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	hair cells early	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE-like	2.1058e–121	NA
24	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	hair cells early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	9.2676e–126	575.7
25	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	hair cells early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	1.9323e–85	NA
26	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	hair cells early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE-like	1.7909e–35	NA
27	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	hair cells early	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE-like	9.8766e–71	NA
28	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	cortex ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	4.7985e–229	1051.4
29	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	cortex ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	1.5679e–139	NA
30	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	cortex ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE-like	1.3081e–44	NA
31	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	cortex ERS+	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE-like	5.5271e–148	NA
32	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	cortex ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	6.9788e–176	806.6
33	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	cortex ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	6.3821e–113	NA
34	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	cortex ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE-like	2.4588e–55	NA
35	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	cortex ERS+	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE-like	1.8020e–105	NA

2	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	cortex ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	9.8567e–115	525.0
3	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	cortex ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	1.6859e–76	NA
4	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	cortex ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	2.8420e–34	NA
5	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	cortex ERS+	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	3.5658e–65	NA
6	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	hair cells ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	8.2383e–216	990.4
7	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	hair cells ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	1.3751e–137	NA
8	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	hair cells ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	3.3846e–38	NA
9	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	hair cells ERS+	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	2.6397e–132	NA
10	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	hair cells ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	8.0434e–156	714.2
11	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	hair cells ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	5.2747e–100	NA
12	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	hair cells ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	3.7302e–49	NA
13	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	hair cells ERS+	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	1.8131e–94	NA
14	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	hair cells ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	7.3021e–01	0.62
15	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	hair cells ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	5.8921e–01	1.05
16	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	hair cells ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	6.4869e–137	627.1
17	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	hair cells ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	3.4202e–93	NA
18	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	hair cells ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	3.2514e–20	NA
19	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	hair cells ERS+	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	3.2542e–77	NA
20	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	hair cells ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.9799e–96	440.7
21	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	hair cells ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	5.0829e–65	NA
22	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	hair cells ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	1.9200e–28	NA
23	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	hair cells ERS+	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	1.6941e–54	NA
24	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	hair cells ERS–	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.6369e–185	850.9
25	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	hair cells ERS–	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	1.2178e–123	NA
26	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	hair cells ERS–	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	1.6672e–29	NA
27	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	hair cells ERS–	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	3.9176e–107	NA
28	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	hair cells ERS–	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	6.5222e–131	599.5
29	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	hair cells ERS–	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	5.2798e–85	NA
30	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	hair cells ERS–	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	5.5199e–41	NA
31	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	hair cells ERS–	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	1.1718e–77	NA
32	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	hair cells ERS–	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	4.4693e–01	1.61
33	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	hair cells ERS–	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	8.4444e–01	0.33
34	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	hair cells ERS–	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	9.0352e–118	539.0
35	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	hair cells ERS–	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs abM	2.5612e–84	NA

2	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	xpp ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	2.9964e-267	1227.3
3	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.1850e-170	NA
4	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	4.5610e-46	NA
5	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	7.1414e-163	NA
6	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	xpp ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	3.9726e-180	826.1
7	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.3176e-118	NA
8	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.4035e-54	NA
9	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.1095e-104	NA
10	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	xpp ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	2.9585e-01	2.43
11	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	xpp ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	2.4233e-02	7.44
12	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.0814e-01	NA
13	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.4772e-02	NA
14	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	6.8913e-01	NA
15	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	xpp ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	7.3221e-184	843.3
16	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.8805e-122	NA
17	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.5673e-28	NA
18	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.9517e-105	NA
19	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	xpp ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	5.8456e-119	544.4
20	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.4496e-80	NA
21	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.1330e-34	NA
22	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.0949e-64	NA
23	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	cortex ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	6.3909e-162	742.3
24	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.4578e-92	NA
25	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.0125e-36	NA
26	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.6320e-112	NA
27	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	cortex ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.4951e-121	556.4
28	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.0121e-73	NA
29	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	8.1978e-43	NA
30	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.3805e-81	NA
31	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	cortex ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	5.8260e-01	1.08
32	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	cortex ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	6.1759e-01	0.96
33	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	cortex ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	3.1818e-98	448.9
34	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.1967e-58	NA
35	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.6585e-21	NA

2	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.7286e-86	NA
3	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	7.3148e-37	NA
4	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.4780e-113	NA
5	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	endodermis ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	7.7007e-113	516.3
6	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.2369e-66	NA
7	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.2627e-41	NA
8	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	8.1722e-78	NA
9	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	endodermis ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.7454e-01	0.2
10	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	endodermis ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.9636e-01	3.29
11	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	endodermis ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.9256e-95	436.1
12	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.3972e-53	NA
13	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.2710e-22	NA
14	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.5704e-68	NA
15	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	endodermis ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.5139e-67	307.7
16	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.8103e-40	NA
17	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.0493e-25	NA
18	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	8.0356e-46	NA
19	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	endodermis ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.3684e-257	1181.1
20	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.6715e-151	NA
21	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	8.9178e-55	NA
22	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.2716e-170	NA
23	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	endodermis ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.3382e-192	881.7
24	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.2102e-124	NA
25	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	9.8345e-61	NA
26	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.4099e-110	NA
27	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	endodermis ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.1874e-02	6.89
28	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.3015e-02	NA
29	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.9944e-01	NA
30	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.4998e-01	NA
31	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	endodermis ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.1141e-01	2.33
32	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	endodermis ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	7.1917e-173	792.7
33	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.7846e-105	NA
34	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.9454e-34	NA
35	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.4522e-110	NA

2	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.0099e-57	NA
3	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.5428e-192	NA
4	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	xpp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.8512e-211	968.1
5	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.0072e-136	NA
6	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	8.0873e-66	NA
7	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.6414e-120	NA
8	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	xpp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.0537e-01	3.18
9	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	xpp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.2142e-01	3.0
10	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	xpp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.1541e-211	971.4
11	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	9.7485e-136	NA
12	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	5.1321e-36	NA
13	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.1037e-127	NA
14	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	xpp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.6572e-142	650.4
15	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.3861e-95	NA
16	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.0946e-41	NA
17	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.4745e-76	NA
18	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	ppp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.5884e-278	1279.3
19	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	6.4800e-169	NA
20	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.8246e-56	NA
21	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.6045e-178	NA
22	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	ppp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.2363e-208	954.5
23	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.3539e-140	NA
24	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.9521e-60	NA
25	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.1248e-111	NA
26	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	ppp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	6.0300e-01	1.0
27	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	ppp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	6.1409e-01	0.97
28	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	ppp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.2045e-190	870.7
29	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.5598e-119	NA
30	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.2064e-35	NA
31	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.8723e-116	NA
32	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	ppp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.4618e-140	643.9
33	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.8936e-99	NA
34	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.1290e-37	NA
35	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	5.2157e-69	NA

2	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.1250e-50
3	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.3483e-94
4	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	ppp ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.1735e-01
5	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	ppp ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.1353e-01
6	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	ppp ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.6393e-147
7	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.4613e-95
8	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.5133e-25
9	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	7.3554e-88
10	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	ppp ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.8885e-107
11	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.3928e-73
12	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	8.5637e-31
13	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	7.9545e-57
14	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	procambium ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.0534e-260
15	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	8.2811e-152
16	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.5912e-56
17	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	7.4236e-175
18	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	procambium ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.7953e-205
19	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.5248e-135
20	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.6262e-62
21	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.7323e-114
22	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	procambium ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.2542e-01
23	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	procambium ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	4.0908e-01
24	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	procambium ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.0945e-174
25	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.6880e-104
26	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	4.6827e-36
27	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.3313e-113
28	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	procambium ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.5464e-138
29	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.8273e-95
30	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.7195e-39
31	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	7.2735e-72
32	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	procambium ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.6332e-208
33	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.7840e-122
34	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.7831e-44
35	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.8680e-139

2	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	procambium ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	2.4355e–135	619.9	
3	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.8037e–82	NA	
4	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	6.5144e–28	NA	
5	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.1556e–87	NA	
6	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	procambium ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	4.0945e–100	457.6	
7	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.2043e–66	NA	
8	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.0247e–31	NA	
9	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.1143e–57	NA	
10	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	protophloem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	3.3123e–132	605.4	
11	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.3136e–66	NA	
12	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	8.5785e–38	NA	
13	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.9321e–100	NA	
14	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	protophloem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	8.2522e–102	465.5	
15	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.8571e–60	NA	
16	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.8391e–38	NA	
17	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.2436e–69	NA	
18	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	protophloem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	6.2010e–02	5.56	
19	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	protophloem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	2.7875e–01	2.55	
20	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protophloem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	2.5652e–80	366.5	
21	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.7958e–39	NA	
22	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	9.9477e–25	NA	
23	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.8549e–62	NA	
24	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protophloem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	4.7614e–62	282.3	
25	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.4722e–36	NA	
26	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.3895e–24	NA	
27	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.1158e–41	NA	
28	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	metaphloem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	2.1877e–201	924.0	
29	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.0860e–120	NA	
30	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.6319e–41	NA	
31	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.9104e–131	NA	
32	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	metaphloem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	6.4887e–143	654.7	
33	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.9127e–90	NA	
34	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	9.7042e–47	NA	
35	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.6700e–87	NA	

Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	metaphloem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.4446e-90	413.7
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.2418e-59	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	4.3778e-29	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.6283e-52	NA
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	protophloem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.9413e-260	1196.0
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.5458e-160	NA
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.9135e-50	NA
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	6.0839e-164	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	protophloem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.2864e-199	915.9
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.1450e-142	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.0997e-50	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	9.5736e-100	NA
Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	protophloem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.5581e-01	3.7
Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	protophloem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.2578e-01	4.1
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protophloem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	4.6650e-181	830.4
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.3905e-114	NA
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.7092e-33	NA
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.7412e-109	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protophloem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.4189e-138	633.7
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.6523e-103	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.0183e-31	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	5.3635e-62	NA
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	metaphloem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.3588e-291	1337.0
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.2297e-188	NA
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	7.4028e-49	NA
Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	5.4345e-174	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	metaphloem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.7729e-208	956.7
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.4818e-149	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.8078e-51	NA
Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	9.4190e-104	NA
Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	metaphloem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	9.8164e-01	0.0
Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	metaphloem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	7.6483e-01	0.5
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	metaphloem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.0440e-204	936.2
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.1822e-137	NA

2	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	metaxylem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	6.1542e-279	1281.2
3	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.7174e-165	NA
4	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.0200e-58	NA
5	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.0332e-182	NA
6	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	metaxylem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.8719e-198	910.5
7	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	9.7486e-134	NA
8	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	6.8171e-57	NA
9	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.2994e-109	NA
10	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	metaxylem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	7.8093e-01	0.4
11	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	metaxylem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	6.1092e-01	0.9
12	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	metaxylem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	8.0675e-192	880.0
13	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.4550e-117	NA
14	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	5.0136e-38	NA
15	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.4050e-121	NA
16	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	metaxylem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	5.0837e-133	609.2
17	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.9839e-94	NA
18	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	7.7275e-35	NA
19	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.2162e-67	NA
20	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	protoxylem early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	8.4491e-255	1170.0
21	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.1906e-167	NA
22	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.0584e-42	NA
23	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.9822e-147	NA
24	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	protoxylem early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	2.2044e-190	873.4
25	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.9418e-140	NA
26	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	9.5790e-44	NA
27	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.7877e-89	NA
28	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	protoxylem early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	2.7577e-01	2.5
29	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	protoxylem early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	5.0779e-01	1.3
30	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protoxylem early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	4.3015e-179	821.4
31	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.9605e-123	NA
32	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.1551e-26	NA
33	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.6097e-96	NA
34	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protoxylem early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	4.2221e-132	605.0
35	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs abM	8.0024e-103	NA

2	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	protoxylem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	4.3136e-79	360.8
3	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.5813e-45	NA
4	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	6.2723e-32	NA
5	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.3145e-54	NA
6	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	protoxylem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	5.6833e-01	1.13
7	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	protoxylem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	6.7171e-01	0.79
8	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protoxylem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.2334e-62	285.1
9	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.4142e-31	NA
10	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.4866e-20	NA
11	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	9.2085e-48	NA
12	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protoxylem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	4.8290e-46	208.6
13	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.7861e-26	NA
14	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.8233e-19	NA
15	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.7883e-31	NA
16	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	metaxylem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	2.2277e-237	1089.8
17	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.7407e-151	NA
18	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	9.5768e-43	NA
19	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.1243e-142	NA
20	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	metaxylem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	4.0949e-160	734.0
21	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.7260e-109	NA
22	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.0344e-44	NA
23	Mean Expr by Celltype	Unfiltered	bewick_group	cell_mean	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.8281e-87	NA
24	Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	metaxylem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	8.0305e-01	0.43
25	Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	metaxylem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	8.4452e-01	0.33
26	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	metaxylem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	5.9656e-163	747.0
27	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.5802e-108	NA
28	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	8.0551e-27	NA
29	Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	5.4589e-92	NA
30	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	metaxylem ERS-	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	8.4060e-105	479.2
31	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.9480e-75	NA
32	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	9.0397e-27	NA
33	Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.4351e-51	NA
34	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	protoxylem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.3634e-174	800.6
35	Mean Expr by Celltype	Unfiltered	cahn_group	cell_mean	protoxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.3769e-111	NA

Mean Expr by Celltype	Brennecke Filtered	cahn_group	cell_mean	protoxylem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.4035e–01	3.9
Mean Expr by Celltype	Brennecke Filtered	bewick_group	cell_mean	protoxylem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	6.2413e–01	0.9
Mean Expr by Celltype	James Lloyd 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 Filtered	cahn_group	cell_mean	protoxylem ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	5.2557e–78	NA
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protoxylem ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	3.6525e–19	NA
Mean Expr by Celltype	James Lloyd Filtered	cahn_group	cell_mean	protoxylem ERS+	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	8.9996e–66	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protoxylem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	6.0899e–96	438.
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protoxylem ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	2.8391e–73	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protoxylem ERS+	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	4.0844e–21	NA
Mean Expr by Celltype	James Lloyd Filtered	bewick_group	cell_mean	protoxylem ERS+	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	7.1641e–41	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	rootcap	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	3.0909e–244	1121.
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	rootcap	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	9.9743e–144	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	rootcap	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	1.0167e–51	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	rootcap	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	7.8164e–163	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	rootcap	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.4288e–184	846.
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	rootcap	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	2.8427e–116	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	rootcap	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	7.9469e–61	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	rootcap	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	2.8958e–110	NA
Mean Expr by Lineage	Brennecke Filtered	cahn_group	lineage_mean	rootcap	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.9739e–01	3.2
Mean Expr by Lineage	Brennecke Filtered	bewick_group	lineage_mean	rootcap	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	7.2727e–01	0.6
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	rootcap	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.9331e–157	721.
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	rootcap	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	8.6801e–97	NA
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	rootcap	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	3.8911e–30	NA
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	rootcap	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	1.1892e–100	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	rootcap	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.7104e–117	537.
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	rootcap	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	6.5503e–78	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	rootcap	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	1.3506e–35	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	rootcap	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	1.2100e–66	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	epidermis	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	6.0936e–282	1295.
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	epidermis	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	3.3050e–174	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	epidermis	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	2.2848e–54	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	epidermis	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	2.7851e–177	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	epidermis	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	3.2530e–180	826.
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	epidermis	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	1.3990e–108	NA

Mean Expr by Lineage	Brennecke Filtered	bewick_group	lineage_mean	epidermis	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.2482e-01	NA
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	epidermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.2372e-189	869.
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	epidermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	6.6971e-123	NA
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	epidermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	8.9951e-32	NA
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	epidermis	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	9.0474e-113	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	epidermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.0295e-113	520.
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	epidermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	6.5585e-71	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	epidermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.4026e-38	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	epidermis	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.7937e-70	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	cortex	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	4.8562e-206	945.
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	cortex	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	9.8463e-120	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	cortex	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	5.1409e-45	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	cortex	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.2221e-139	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	cortex	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.8506e-159	729.
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	cortex	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.3929e-98	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	cortex	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.9664e-54	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	cortex	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.1375e-100	NA
Mean Expr by Lineage	Brennecke Filtered	cahn_group	lineage_mean	cortex	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	6.0850e-01	0.9
Mean Expr by Lineage	Brennecke Filtered	bewick_group	lineage_mean	cortex	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.2089e-01	1.3
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	cortex	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.9732e-129	589.
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	cortex	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.3565e-78	NA
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	cortex	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	6.3653e-26	NA
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	cortex	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.2147e-83	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	cortex	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.3934e-99	455.
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	cortex	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.9323e-63	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	cortex	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.0197e-32	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	cortex	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.1866e-60	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	xpp	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	7.8206e-292	1340.
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	xpp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.5678e-179	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	xpp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	6.1649e-56	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	xpp	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.6802e-185	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	xpp	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.5429e-201	924.
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	xpp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	8.1822e-129	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	xpp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.2155e-64	NA

Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	xpp	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.7819e-121	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	xpp	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	9.4826e-134	612.
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	xpp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.3867e-88	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	xpp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	6.9208e-41	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	xpp	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.3843e-73	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	endodermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	9.1034e-230	1054.
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.4216e-131	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	5.8821e-52	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	endodermis	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.9404e-158	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	endodermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.3262e-171	785.
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.4134e-106	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.5559e-57	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	endodermis	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	8.0610e-105	NA
Mean Expr by Lineage	Brennecke Filtered	cahn_group	lineage_mean	endodermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	4.1374e-02	6.3
Mean Expr by Lineage	Brennecke Filtered	cahn_group	lineage_mean	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.7109e-02	NA
Mean Expr by Lineage	Brennecke Filtered	cahn_group	lineage_mean	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	4.4888e-01	NA
Mean Expr by Lineage	Brennecke Filtered	cahn_group	lineage_mean	endodermis	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.8441e-01	NA
Mean Expr by Lineage	Brennecke Filtered	bewick_group	lineage_mean	endodermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	9.0659e-01	0.1
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	endodermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.6603e-148	680.
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.6130e-87	NA
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.1574e-31	NA
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	endodermis	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.7980e-99	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	endodermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.3221e-109	499.
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.1722e-70	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	5.2736e-35	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	endodermis	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	9.5687e-64	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	ppp	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.0599e-260	1195.
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	ppp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.1071e-155	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	ppp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.4299e-54	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	ppp	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.9506e-169	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	ppp	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.1622e-195	897.
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	ppp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.0727e-127	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	ppp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.6323e-61	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	ppp	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.0127e-109	NA

Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	ppp	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	8.4404e–129	589.
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	ppp	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	7.5455e–88	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	ppp	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	1.5384e–37	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	ppp	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	1.7575e–66	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	procambium	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.2353e–241	1109.
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	procambium	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	7.2863e–137	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	procambium	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	2.2582e–55	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	procambium	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	1.4858e–166	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	procambium	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	4.6348e–188	862.
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	procambium	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	3.7048e–119	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	procambium	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	1.8778e–61	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	procambium	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	5.8863e–111	NA
Mean Expr by Lineage	Brennecke Filtered	cahn_group	lineage_mean	procambium	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.5783e–01	3.6
Mean Expr by Lineage	Brennecke Filtered	bewick_group	lineage_mean	procambium	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	2.0555e–01	3.1
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	procambium	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	2.8351e–157	720.
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	procambium	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	3.0916e–91	NA
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	procambium	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	6.2132e–35	NA
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	procambium	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	1.1602e–105	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	procambium	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.1692e–122	561.
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	procambium	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	1.0732e–80	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	procambium	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	3.3439e–38	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	procambium	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	2.5946e–68	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	phloem	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	3.1152e–245	1125.
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	phloem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	9.0245e–145	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	phloem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	1.7800e–51	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	phloem	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	6.1402e–163	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	phloem	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	5.4875e–179	820.
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	phloem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	2.5502e–117	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	phloem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	1.2277e–54	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	phloem	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	2.0501e–102	NA
Mean Expr by Lineage	Brennecke Filtered	cahn_group	lineage_mean	phloem	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	8.0177e–01	0.4
Mean Expr by Lineage	Brennecke Filtered	bewick_group	lineage_mean	phloem	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	6.2889e–01	0.9
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	phloem	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	3.5926e–161	738.
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	phloem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	2.2420e–98	NA

Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	xylem	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	9.0068e–241	1105.
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	xylem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	5.4724e–138	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	xylem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	4.0253e–56	NA
Mean Expr by Lineage	Unfiltered	cahn_group	lineage_mean	xylem	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	6.5241e–162	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	xylem	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.0251e–175	805.
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	xylem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	3.4023e–112	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	xylem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	3.0713e–57	NA
Mean Expr by Lineage	Unfiltered	bewick_group	lineage_mean	xylem	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	2.7832e–101	NA
Mean Expr by Lineage	Brennecke Filtered	cahn_group	lineage_mean	xylem	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	8.8610e–01	0.2
Mean Expr by Lineage	Brennecke Filtered	bewick_group	lineage_mean	xylem	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	3.7669e–01	1.9
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	xylem	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	2.0193e–156	717.
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	xylem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	7.5408e–93	NA
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	xylem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	1.6235e–34	NA
Mean Expr by Lineage	James Lloyd Filtered	cahn_group	lineage_mean	xylem	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	2.2558e–101	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	xylem	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	8.2090e–112	511.
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	xylem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	2.3459e–75	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	xylem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	1.5562e–33	NA
Mean Expr by Lineage	James Lloyd Filtered	bewick_group	lineage_mean	xylem	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	8.6825e–60	NA
CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	border cells	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	2.7826e–09	39.4
CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	border cells	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	8.4674e–07	NA
CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	border cells	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	2.4694e–05	NA
CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	border cells	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	2.6609e–03	NA
CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	border cells	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	4.2503e–06	24.7
CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	border cells	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	8.3255e–03	NA
CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	border cells	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	4.1989e–05	NA
CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	border cells	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	4.1989e–05	NA
CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	border cells	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	9.2674e–01	0.1
CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	border cells	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	2.2433e–09	39.8
CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	border cells	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	4.4634e–07	NA
CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	border cells	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	3.5935e–05	NA
CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	border cells	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	4.0592e–03	NA
CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	border cells	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.3059e–05	22.4
CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	border cells	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	6.3590e–03	NA
CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	border cells	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	1.7137e–04	NA

22	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	root cap early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.9660e-51	NA
23	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	root cap early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	9.8075e-31	NA
24	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	root cap early	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.9660e-51	NA
25	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	root cap early	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.9105e-01	0.231
26	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	root cap early	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.9503e-01	1.038
27	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	root cap early	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.0761e-117	538.65
28	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	root cap early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.7767e-68	NA
29	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	root cap early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.1877e-26	NA
30	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	root cap early	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.1384e-77	NA
31	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	root cap early	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.6223e-77	352.67
32	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	root cap early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.1275e-47	NA
33	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	root cap early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	4.9945e-28	NA
34	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	root cap early	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.1275e-47	NA
35	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	root cap tip	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.7656e-41	186.77
36	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	root cap tip	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.2300e-20	NA
37	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
38	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
39	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	root cap tip	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.1397e-35	160.91
40	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	root cap tip	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.2359e-22	NA
41	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
42	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
43	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	root cap tip	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.7243e-01	1.975
44	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	root cap tip	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	6.7129e-38	171.18
45	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	root cap tip	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.9624e-19	NA
46	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	root cap tip	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.6519e-12	NA
47	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	root cap tip	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.1517e-29	NA
48	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	root cap tip	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	7.7036e-34	152.49
49	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	root cap tip	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.7298e-21	NA
50	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	root cap tip	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.2834e-12	NA
51	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	root cap tip	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	6.9431e-21	NA
52	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	root cap lateral	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.0591e-38	172.76
53	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	root cap lateral	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.3402e-14	NA
54	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
55	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

62	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	root cap lateral	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.3377e–34	155.99
63	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	root cap lateral	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	1.3735e–12	NA
64	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	root cap lateral	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	7.9190e–16	NA
65	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	root cap lateral	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	1.7213e–31	NA
66	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	root cap lateral	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.2567e–31	142.30
67	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	root cap lateral	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	2.6281e–15	NA
68	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	root cap lateral	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	8.4177e–17	NA
69	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	root cap lateral	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	6.2433e–25	NA
70	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	columella	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	7.2295e–45	203.27
71	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	columella	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	2.8362e–21	NA
72	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	columella	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	6.2003e–15	NA
73	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	columella	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	2.6206e–35	NA
74	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	columella	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	4.0347e–29	130.76
75	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	columella	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	7.7847e–18	NA
76	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	columella	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	7.8737e–12	NA
77	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	columella	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	2.7413e–19	NA
78	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	columella	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.2334e–01	4.186
79	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	columella	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	3.0068e–01	2.403
80	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	columella	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	7.9457e–43	193.87
81	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	columella	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	1.9225e–20	NA
82	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	columella	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	3.3094e–14	NA
83	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	columella	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	1.1594e–33	NA
84	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	columella	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	2.7167e–28	126.94
85	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	columella	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	3.2397e–17	NA
86	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	columella	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	1.1282e–11	NA
87	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	columella	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	7.3140e–19	NA
88	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	non–hair cells	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.8534e–157	721.77
89	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	non–hair cells	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	3.5666e–99	NA
90	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	non–hair cells	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	7.4281e–30	NA
91	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	non–hair cells	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	1.6275e–94	NA
92	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	non–hair cells	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.3286e–98	450.73
93	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	non–hair cells	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	5.4247e–61	NA
94	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	non–hair cells	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	2.1275e–34	NA
95	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	non–hair cells	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	5.4247e–61	NA

02	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	non-hair cells	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	2.1415e–85	389.91
03	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	non-hair cells	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	1.4103e–52	NA
04	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	non-hair cells	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE-like	1.8600e–30	NA
05	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	non-hair cells	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE-like	3.7579e–53	NA
06	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	epidermis early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	4.4653e–285	1309.48
07	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	epidermis early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	1.5259e–204	NA
08	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	epidermis early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE-like	4.9037e–36	NA
09	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	epidermis early	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE-like	2.7752e–139	NA
10	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	epidermis early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	7.5590e–149	682.12
11	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	epidermis early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	4.5658e–100	NA
12	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	epidermis early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE-like	2.2183e–44	NA
13	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	epidermis early	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE-like	6.5343e–77	NA
14	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	epidermis early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.3466e–01	4.010
15	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	epidermis early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	9.4231e–03	9.329
16	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	epidermis early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	4.7936e–02	NA
17	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	epidermis early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE-like	1.7467e–01	NA
18	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	epidermis early	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE-like	3.6263e–02	NA
19	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	epidermis early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	4.2916e–256	1176.01
20	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	epidermis early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	2.9673e–186	NA
21	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	epidermis early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE-like	2.1087e–30	NA
22	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	epidermis early	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE-like	5.9968e–122	NA
23	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	epidermis early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	4.7816e–129	590.93
24	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	epidermis early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	1.1959e–88	NA
25	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	epidermis early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE-like	9.1955e–37	NA
26	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	epidermis early	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE-like	2.7676e–65	NA
27	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	hair cells early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.8307e–213	979.69
28	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	hair cells early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	8.4700e–146	NA
29	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	hair cells early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE-like	1.1678e–31	NA
30	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	hair cells early	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE-like	3.9161e–114	NA
31	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	hair cells early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	3.0378e–122	559.60
32	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	hair cells early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	3.7654e–78	NA
33	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	hair cells early	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE-like	2.7297e–40	NA
34	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	hair cells early	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE-like	2.6808e–69	NA
35	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	hair cells early	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	6.4081e–01	0.890

42	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	hair cells early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	9.6263e-68	NA
43	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	hair cells early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.2176e-31	NA
44	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	hair cells early	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	5.9580e-56	NA
45	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	cortex ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	4.9475e-75	342.19
46	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	cortex ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.0497e-46	NA
47	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	cortex ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.1766e-15	NA
48	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	cortex ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.6755e-46	NA
49	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	cortex ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.4952e-49	224.84
50	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	cortex ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.3324e-30	NA
51	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	cortex ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.0712e-18	NA
52	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	cortex ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.2834e-30	NA
53	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	cortex ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	4.8714e-02	6.044
54	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	cortex ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.1144e-01	NA
55	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	cortex ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	7.5078e-01	NA
56	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	cortex ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	7.4577e-01	NA
57	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	cortex ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.4947e-69	313.47
58	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	cortex ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.5245e-42	NA
59	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	cortex ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.0782e-14	NA
60	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	cortex ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	5.3248e-43	NA
61	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	cortex ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	7.5980e-45	203.17
62	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	cortex ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	6.7878e-28	NA
63	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	cortex ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	7.4798e-17	NA
64	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	cortex ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	6.7878e-28	NA
65	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	hair cells ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.3335e-100	456.27
66	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	hair cells ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.4062e-66	NA
67	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	hair cells ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	5.5549e-17	NA
68	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	hair cells ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	9.1633e-57	NA
69	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	hair cells ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.2005e-65	297.75
70	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	hair cells ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.3971e-37	NA
71	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
72	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
73	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	hair cells ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.5004e-01	1.196
74	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	hair cells ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.0575e-01	2.370
75	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	hair cells ERS+	Kruskal-Wallis	Unmethylated vs qbM vs TE-like	8.4649e-86	391.77

882	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	hair cells ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.1740e-33	NA
883	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	hair cells ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	7.7017e-24	106.441
884	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	hair cells ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.7675e-13	NA
885	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
886	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
887	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	hair cells ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.4322e-12	54.544
888	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	hair cells ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.5383e-05	NA
889	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
890	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	hair cells ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.7521e-11	NA
891	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	hair cells ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.8478e-01	1.073
892	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	hair cells ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.8195e-21	95.511
893	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	hair cells ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.2446e-12	NA
894	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	hair cells ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	4.2159e-07	NA
895	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	hair cells ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.5386e-15	NA
896	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	hair cells ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.2479e-11	46.437
897	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	hair cells ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.1434e-04	NA
898	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	hair cells ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.5788e-07	NA
899	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	hair cells ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	5.3387e-10	NA
900	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	xpp ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	4.6062e-46	208.783
901	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.1037e-23	NA
902	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.0548e-14	NA
903	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.4419e-34	NA
904	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	xpp ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	4.3674e-24	107.576
905	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.2779e-11	NA
906	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.3676e-13	NA
907	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	9.7959e-20	NA
908	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	xpp ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.5489e-01	2.734
909	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	xpp ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.3695e-01	2.880
910	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	xpp ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.0814e-43	197.866
911	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.1687e-22	NA
912	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.4236e-13	NA
913	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.9190e-32	NA
914	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	xpp ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	7.6111e-22	97.255
915	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	xpp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.7125e-11	NA

22	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	cortex ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.4947e-10	41.773
23	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.6028e-01	NA
24	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.0900e-09	NA
25	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	6.8079e-11	NA
26	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	cortex ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.0350e-01	4.536
27	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	cortex ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	4.5759e-11	47.615
28	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.6858e-01	NA
29	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.3258e-10	NA
30	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	8.5706e-12	NA
31	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	cortex ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.1205e-09	39.943
32	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.0719e-01	NA
33	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.3729e-09	NA
34	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	cortex ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.3648e-10	NA
35	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	endodermis ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.8684e-16	71.575
36	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.1848e-02	NA
37	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.9550e-15	NA
38	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.9550e-15	NA
39	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	endodermis ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.6237e-10	42.598
40	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.8595e-01	NA
41	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	6.8413e-10	NA
42	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.5338e-11	NA
43	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	endodermis ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.4259e-02	8.501
44	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.6405e-01	NA
45	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	4.8786e-01	NA
46	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.8786e-01	NA
47	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	endodermis ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	6.8203e-02	5.371
48	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	endodermis ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	9.1204e-16	69.263
49	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.4227e-02	NA
50	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	7.2290e-15	NA
51	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	7.2290e-15	NA
52	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	endodermis ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.0531e-08	36.738
53	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.5545e-01	NA
54	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.3526e-08	NA
55	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	endodermis ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.1898e-09	NA

62	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.9217e-20	NA
63	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	7.8674e-37	NA
64	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	endodermis ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.4215e-02	4.94
65	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	endodermis ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.3969e-01	2.85
66	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	endodermis ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.0813e-105	483.38
67	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.9634e-67	NA
68	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.6524e-19	NA
69	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	9.7482e-63	NA
70	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	endodermis ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	4.4254e-67	305.57
71	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.3191e-47	NA
72	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.7235e-18	NA
73	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	endodermis ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.4756e-33	NA
74	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	xpp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.1400e-179	821.05
75	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.2316e-118	NA
76	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.1962e-29	NA
77	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.3054e-99	NA
78	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	xpp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	6.2553e-115	525.92
79	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.9040e-79	NA
80	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	9.5377e-33	NA
81	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.3767e-57	NA
82	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	xpp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	6.6810e-03	10.01
83	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.6411e-01	NA
84	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	9.6306e-02	NA
85	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.0524e-01	NA
86	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	xpp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	6.3641e-01	0.90
87	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	xpp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.1886e-163	750.29
88	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	6.6991e-110	NA
89	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	4.8095e-26	NA
90	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.7290e-89	NA
91	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	xpp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.8581e-102	467.02
92	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.5740e-73	NA
93	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.2521e-26	NA
94	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	xpp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.8068e-48	NA
95	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	ppp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.1126e-97	445.20

002	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.1703e-32	NA
003	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	ppp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	4.8398e-04	15.26
004	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.4854e-01	NA
005	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.4946e-02	NA
006	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.4340e-01	NA
007	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	ppp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	9.7727e-91	414.51
008	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.8247e-59	NA
009	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	5.4630e-16	NA
010	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	5.7070e-52	NA
011	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	ppp ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.1734e-64	294.41
012	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	8.7477e-49	NA
013	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.7198e-15	NA
014	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	ppp ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	6.9888e-28	NA
015	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	ppp ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.2894e-21	96.20
016	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.0754e-08	NA
017	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.2539e-10	NA
018	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	6.9163e-20	NA
019	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	ppp ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.4011e-10	45.37
020	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.1456e-05	NA
021	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.0119e-06	NA
022	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.6955e-09	NA
023	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	ppp ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	6.8709e-01	0.75
024	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	ppp ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.3530e-01	4.00
025	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	ppp ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.2098e-21	94.37
026	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	8.9209e-08	NA
027	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.0975e-10	NA
028	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.0263e-19	NA
029	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	ppp ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.9467e-10	44.71
030	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.8822e-05	NA
031	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	9.0537e-07	NA
032	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	ppp ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.6346e-09	NA
033	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	procambium ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	4.2810e-84	383.92
034	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.4975e-48	NA
035	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.0080e-20	NA

042	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	8.8420e-01	NA
043	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.9378e-01	NA
044	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.2899e-01	NA
045	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	procambium ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.8190e-02	7.138
046	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.0093e-01	NA
047	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	6.5739e-01	NA
048	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	7.9343e-01	NA
049	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	procambium ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.6421e-78	358.21
050	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.5046e-46	NA
051	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	4.1139e-18	NA
052	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.2726e-51	NA
053	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	procambium ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.3777e-60	273.87
054	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.5361e-43	NA
055	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.9987e-16	NA
056	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	procambium ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	5.4522e-30	NA
057	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	procambium ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.3899e-24	106.27
058	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.2525e-06	NA
059	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.8982e-14	NA
060	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	5.0866e-24	NA
061	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	procambium ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.2488e-13	57.51
062	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.6531e-04	NA
063	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.6507e-10	NA
064	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	5.2903e-14	NA
065	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	procambium ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	0.0000e+00	Inf
066	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	8.3270e-01	NA
067	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.5755e-03	NA
068	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.0971e-01	NA
069	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	procambium ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	0.0000e+00	Inf
070	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	8.0064e-01	NA
071	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	9.4339e-02	NA
072	CV Expr by Celltype	Brennecke Filtered	bewick_group	cv_expr_ct	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	6.2132e-01	NA
073	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	procambium ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	7.5508e-22	97.27
074	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	8.6428e-06	NA
075	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	procambium ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	5.3303e-13	NA

082	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.2496e-08	NA
083	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	8.3004e-12	NA
084	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.2496e-08	NA
085	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	protophloem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.6263e-10	44.12
086	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.6097e-06	NA
087	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.1928e-06	NA
088	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.1928e-06	NA
089	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	protophloem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.4669e-01	2.119
090	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	protophloem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.0180e-16	70.45
091	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.0161e-08	NA
092	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	4.4710e-11	NA
093	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	6.3420e-08	NA
094	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	protophloem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.5088e-09	40.62
095	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	9.5666e-06	NA
096	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	9.5666e-06	NA
097	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	protophloem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.2665e-05	NA
098	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	metaphloem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.3818e-13	58.13
099	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.6930e-02	NA
100	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.3943e-10	NA
101	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	8.8785e-15	NA
102	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	metaphloem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.1809e-06	26.07
103	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.2287e-01	NA
104	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.1590e-06	NA
105	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.3638e-07	NA
106	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	metaphloem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	9.3802e-13	55.39
107	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	8.2491e-02	NA
108	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.7921e-10	NA
109	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.4968e-14	NA
110	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	metaphloem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.0309e-05	21.60
111	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	8.0772e-01	NA
112	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.0262e-05	NA
113	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	metaphloem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.7118e-06	NA
114	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protophloem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.2594e-16	71.32
115	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.3363e-06	NA

22	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	protophloem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	6.9954e-02	5.32
23	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	protophloem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.0857e-15	68.91
24	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.5541e-06	NA
25	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	9.1857e-08	NA
26	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	7.3007e-15	NA
27	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	protophloem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	5.6621e-13	56.40
28	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	9.9525e-09	NA
29	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.3770e-05	NA
30	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	protophloem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	9.9525e-09	NA
31	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	metaphloem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	6.0068e-65	295.73
32	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.0436e-38	NA
33	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	4.6823e-15	NA
34	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.2784e-41	NA
35	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	metaphloem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	7.1550e-48	217.11
36	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.5300e-31	NA
37	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.3398e-16	NA
38	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.7032e-26	NA
39	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	metaphloem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.5160e-02	8.37
40	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.8385e-01	NA
41	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	5.0246e-01	NA
42	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.3882e-01	NA
43	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	metaphloem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	6.1710e-62	281.88
44	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	9.5613e-38	NA
45	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	9.6543e-14	NA
46	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	6.2676e-39	NA
47	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	metaphloem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	2.2196e-44	201.03
48	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.0573e-30	NA
49	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	5.1943e-14	NA
50	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	metaphloem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.7221e-23	NA
51	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	metaxylem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	4.1485e-112	512.93
52	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.6653e-75	NA
53	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	6.4921e-19	NA
54	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.2121e-61	NA
55	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	metaxylem ERS+	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.1572e-70	322.07

162	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.0238e-17	NA
163	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.4413e-56	NA
164	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	metaxylem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.6367e-64	293.74
165	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.9125e-48	NA
166	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	6.8950e-16	NA
167	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	metaxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	5.7383e-29	NA
168	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protoxylem early	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.0672e-37	170.26
169	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	8.3485e-24	NA
170	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.2049e-08	NA
171	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	7.6754e-23	NA
172	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	protoxylem early	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	6.5814e-24	106.75
173	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.4299e-17	NA
174	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.6594e-07	NA
175	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.0919e-11	NA
176	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	protoxylem early	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.3101e-01	4.065
177	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	protoxylem early	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	7.9004e-36	161.65
178	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.6293e-22	NA
179	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.1767e-08	NA
180	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	6.7100e-22	NA
181	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	protoxylem early	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.2046e-22	100.94
182	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.0921e-17	NA
183	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	8.8082e-07	NA
184	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	protoxylem early	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	6.9371e-11	NA
185	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protoxylem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.4943e-09	37.16
186	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.8241e-07	NA
187	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.9580e-04	NA
188	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.5227e-02	NA
189	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	protoxylem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.7955e-07	29.56
190	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.1586e-05	NA
191	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	7.5104e-04	NA
192	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.4489e-03	NA
193	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	protoxylem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.7331e-05	19.53
194	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.1879e-01	NA
195	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	8.6959e-01	NA

202	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.8121e-05	NA
203	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.4249e-03	NA
204	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	protoxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.7745e-03	NA
205	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	metaxylem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.6098e-25	110.82
206	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.7492e-13	NA
207	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.7262e-08	NA
208	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.2639e-18	NA
209	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	metaxylem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.5508e-10	45.17
210	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.0140e-05	NA
211	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.1140e-06	NA
212	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.2863e-08	NA
213	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	metaxylem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.8290e-01	1.92
214	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	metaxylem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.2205e-23	105.52
215	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.0536e-12	NA
216	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.7715e-08	NA
217	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.7126e-17	NA
218	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	metaxylem ERS-	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.9019e-10	43.92
219	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.1910e-05	NA
220	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.6940e-06	NA
221	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	metaxylem ERS-	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.2863e-08	NA
222	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protoxylem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.0589e-08	36.72
223	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protoxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.0518e-01	NA
224	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protoxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	7.6151e-08	NA
225	CV Expr by Celltype	Unfiltered	cahn_group	cv_expr_ct	protoxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.6259e-09	NA
226	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	protoxylem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.5266e-05	22.18
227	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	protoxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.6606e-03	NA
228	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	protoxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	6.9248e-04	NA
229	CV Expr by Celltype	Unfiltered	bewick_group	cv_expr_ct	protoxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	8.9023e-05	NA
230	CV Expr by Celltype	Brennecke Filtered	cahn_group	cv_expr_ct	protoxylem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.3192e-02	5.86
231	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	protoxylem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.6091e-08	35.89
232	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	protoxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.4990e-01	NA
233	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	protoxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	9.1808e-08	NA
234	CV Expr by Celltype	James Lloyd Filtered	cahn_group	cv_expr_ct	protoxylem ERS+	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.5358e-09	NA
235	CV Expr by Celltype	James Lloyd Filtered	bewick_group	cv_expr_ct	protoxylem ERS+	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.5141e-05	20.51

42	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	rootcap	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.6075e-96	NA
43	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	rootcap	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	4.2666e-108	494.45
44	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	rootcap	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.9901e-70	NA
45	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	rootcap	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.5667e-34	NA
46	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	rootcap	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.2877e-61	NA
47	CV Expr by Lineage	Brennecke Filtered	cahn_group	cv_expr_ln	rootcap	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	6.1652e-01	0.96
48	CV Expr by Lineage	Brennecke Filtered	bewick_group	cv_expr_ln	rootcap	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.8570e-01	3.36
49	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	rootcap	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.9120e-128	587.32
50	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	rootcap	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.4664e-77	NA
51	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	rootcap	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.9412e-26	NA
52	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	rootcap	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.6717e-82	NA
53	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	rootcap	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.3364e-94	432.30
54	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	rootcap	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.2071e-61	NA
55	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	rootcap	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.7142e-30	NA
56	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	rootcap	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	5.2530e-54	NA
57	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	epidermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	6.9358e-309	1419.11
58	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	epidermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.3662e-210	NA
59	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	epidermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	4.6065e-47	NA
60	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	epidermis	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.5675e-168	NA
61	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	epidermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	9.1094e-189	865.98
62	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	epidermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.0782e-121	NA
63	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	epidermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.6805e-60	NA
64	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	epidermis	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.1727e-105	NA
65	CV Expr by Lineage	Brennecke Filtered	cahn_group	cv_expr_ln	epidermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	6.3297e-01	0.91
66	CV Expr by Lineage	Brennecke Filtered	bewick_group	cv_expr_ln	epidermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.0070e-01	3.21
67	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	epidermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	7.7877e-241	1105.7
68	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	epidermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	9.7690e-172	NA
69	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	epidermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.2651e-30	NA
70	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	epidermis	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	6.2702e-122	NA
71	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	epidermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	4.2044e-139	637.24
72	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	epidermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.9856e-94	NA
73	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	epidermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.5697e-40	NA
74	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	epidermis	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.9070e-73	NA
75	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	cortex	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.0394e-69	317.67

282	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	cortex	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	7.0532e-32	NA
283	CV Expr by Lineage	Brennecke Filtered	cahn_group	cv_expr_ln	cortex	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.3181e-04	17.86
284	CV Expr by Lineage	Brennecke Filtered	cahn_group	cv_expr_ln	cortex	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.3016e-01	NA
285	CV Expr by Lineage	Brennecke Filtered	cahn_group	cv_expr_ln	cortex	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.5282e-01	NA
286	CV Expr by Lineage	Brennecke Filtered	cahn_group	cv_expr_ln	cortex	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	6.7153e-02	NA
287	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	cortex	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	3.4100e-63	287.67
288	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	cortex	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.0047e-35	NA
289	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	cortex	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	5.1871e-16	NA
290	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	cortex	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.0698e-43	NA
291	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	cortex	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.6923e-41	187.76
292	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	cortex	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.2955e-24	NA
293	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	cortex	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.4350e-17	NA
294	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	cortex	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.7841e-28	NA
295	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	xpp	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.3804e-176	809.86
296	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	xpp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.9628e-113	NA
297	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	xpp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.8423e-32	NA
298	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	xpp	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.6009e-103	NA
299	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	xpp	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.0915e-113	520.20
300	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	xpp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.9253e-75	NA
301	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	xpp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.5165e-35	NA
302	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	xpp	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.9991e-60	NA
303	CV Expr by Lineage	Brennecke Filtered	cahn_group	cv_expr_ln	xpp	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	5.4128e-01	1.22
304	CV Expr by Lineage	Brennecke Filtered	bewick_group	cv_expr_ln	xpp	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	1.5082e-01	3.78
305	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	xpp	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	2.6196e-158	725.69
306	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	xpp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.2988e-103	NA
307	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	xpp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	2.1636e-27	NA
308	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	xpp	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	6.7584e-91	NA
309	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	xpp	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	8.9219e-98	446.93
310	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	xpp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.6519e-69	NA
311	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	xpp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.4012e-26	NA
312	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	xpp	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.5864e-48	NA
313	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	endodermis	Kruskal–Wallis	Unmethylated vs gbM vs TE-like	2.2916e-108	495.70
314	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.0618e-64	NA
315	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.5655e-23	NA

322	CV Expr by Lineage	Brennecke Filtered	cahn_group	cv_expr_ln	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.5049e-01	NA
323	CV Expr by Lineage	Brennecke Filtered	cahn_group	cv_expr_ln	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.5049e-01	NA
324	CV Expr by Lineage	Brennecke Filtered	cahn_group	cv_expr_ln	endodermis	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	6.2190e-01	NA
325	CV Expr by Lineage	Brennecke Filtered	bewick_group	cv_expr_ln	endodermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.4534e-01	1.213
326	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	endodermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.5849e-97	444.80
327	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.6573e-58	NA
328	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	6.9210e-21	NA
329	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	endodermis	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.9363e-62	NA
330	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	endodermis	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.4017e-65	296.88
331	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	7.5048e-44	NA
332	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	endodermis	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.1881e-20	NA
333	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	endodermis	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	7.2744e-36	NA
334	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	ppp	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.1332e-97	446.45
335	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	ppp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.0100e-62	NA
336	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	ppp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.0606e-18	NA
337	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	ppp	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.6211e-58	NA
338	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	ppp	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.1157e-69	315.48
339	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	ppp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	4.2428e-49	NA
340	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	ppp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.8909e-19	NA
341	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	ppp	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.9875e-33	NA
342	CV Expr by Lineage	Brennecke Filtered	cahn_group	cv_expr_ln	ppp	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.4577e-01	2.807
343	CV Expr by Lineage	Brennecke Filtered	bewick_group	cv_expr_ln	ppp	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	6.9293e-01	0.734
344	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	ppp	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.5128e-90	413.63
345	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	ppp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.9945e-58	NA
346	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	ppp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.1741e-16	NA
347	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	ppp	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	9.9697e-54	NA
348	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	ppp	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.8016e-63	286.60
349	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	ppp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	6.4241e-46	NA
350	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	ppp	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.2606e-16	NA
351	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	ppp	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.0317e-29	NA
352	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	procambium	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	3.5501e-90	411.93
353	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	procambium	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.4451e-48	NA
354	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	procambium	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	8.9099e-25	NA
355	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	procambium	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	9.1453e-64	NA

362	CV Expr by Lineage	Brennecke Filtered	cahn_group	cv_expr_ln	procambium	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	4.4952e-01	NA
363	CV Expr by Lineage	Brennecke Filtered	cahn_group	cv_expr_ln	procambium	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.1588e-01	NA
364	CV Expr by Lineage	Brennecke Filtered	bewick_group	cv_expr_ln	procambium	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	6.4842e-01	0.86
365	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	procambium	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.2939e-82	374.29
366	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	procambium	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	9.2739e-46	NA
367	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	procambium	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	6.2144e-21	NA
368	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	procambium	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.4023e-56	NA
369	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	procambium	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.8724e-61	277.37
370	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	procambium	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	3.3671e-41	NA
371	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	procambium	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	5.8130e-19	NA
372	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	procambium	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	4.6368e-33	NA
373	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	phloem	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	7.8073e-83	378.11
374	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	phloem	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	1.7321e-44	NA
375	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	phloem	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	7.1461e-23	NA
376	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	phloem	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	3.9761e-58	NA
377	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	phloem	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.7118e-61	279.84
378	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	phloem	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.4730e-38	NA
379	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	phloem	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	1.7285e-22	NA
380	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	phloem	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	7.2685e-36	NA
381	CV Expr by Lineage	Brennecke Filtered	cahn_group	cv_expr_ln	phloem	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.7648e-01	1.10
382	CV Expr by Lineage	Brennecke Filtered	bewick_group	cv_expr_ln	phloem	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	9.4377e-02	4.72
383	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	phloem	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	8.9914e-76	345.60
384	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	phloem	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	9.4965e-42	NA
385	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	phloem	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	4.0425e-20	NA
386	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	phloem	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	2.4548e-52	NA
387	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	phloem	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	2.7654e-54	246.64
388	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	phloem	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	5.4642e-36	NA
389	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	phloem	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	5.8310e-18	NA
390	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	phloem	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	9.4446e-30	NA
391	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	xylem	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	5.8103e-123	562.91
392	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	xylem	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs gbM	2.7546e-77	NA
393	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	xylem	Pairwise Wilcoxon (BH-adjusted)	Unmethylated vs TE-like	3.1932e-25	NA
394	CV Expr by Lineage	Unfiltered	cahn_group	cv_expr_ln	xylem	Pairwise Wilcoxon (BH-adjusted)	gbM vs TE-like	1.4976e-72	NA
395	CV Expr by Lineage	Unfiltered	bewick_group	cv_expr_ln	xylem	Kruskal-Wallis	Unmethylated vs gbM vs TE-like	1.2765e-85	390.95

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D	Context	Filter_Tag	Group_Type	Value_Type	Specific_Context	Test	Comparison	P_value	Statistic
401	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	xylem	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	1.5586e–111	510.28
402	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	xylem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	2.5763e–70	NA
403	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	xylem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	7.8252e–23	NA
404	CV Expr by Lineage	James Lloyd Filtered	cahn_group	cv_expr_ln	xylem	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	1.1920e–65	NA
405	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	xylem	Kruskal–Wallis	Unmethylated vs gbM vs TE–like	7.6173e–76	345.93
406	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	xylem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs gbM	3.8030e–54	NA
407	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	xylem	Pairwise Wilcoxon (BH–adjusted)	Unmethylated vs TE–like	6.0200e–21	NA
408	CV Expr by Lineage	James Lloyd Filtered	bewick_group	cv_expr_ln	xylem	Pairwise Wilcoxon (BH–adjusted)	gbM vs TE–like	1.3534e–35	NA