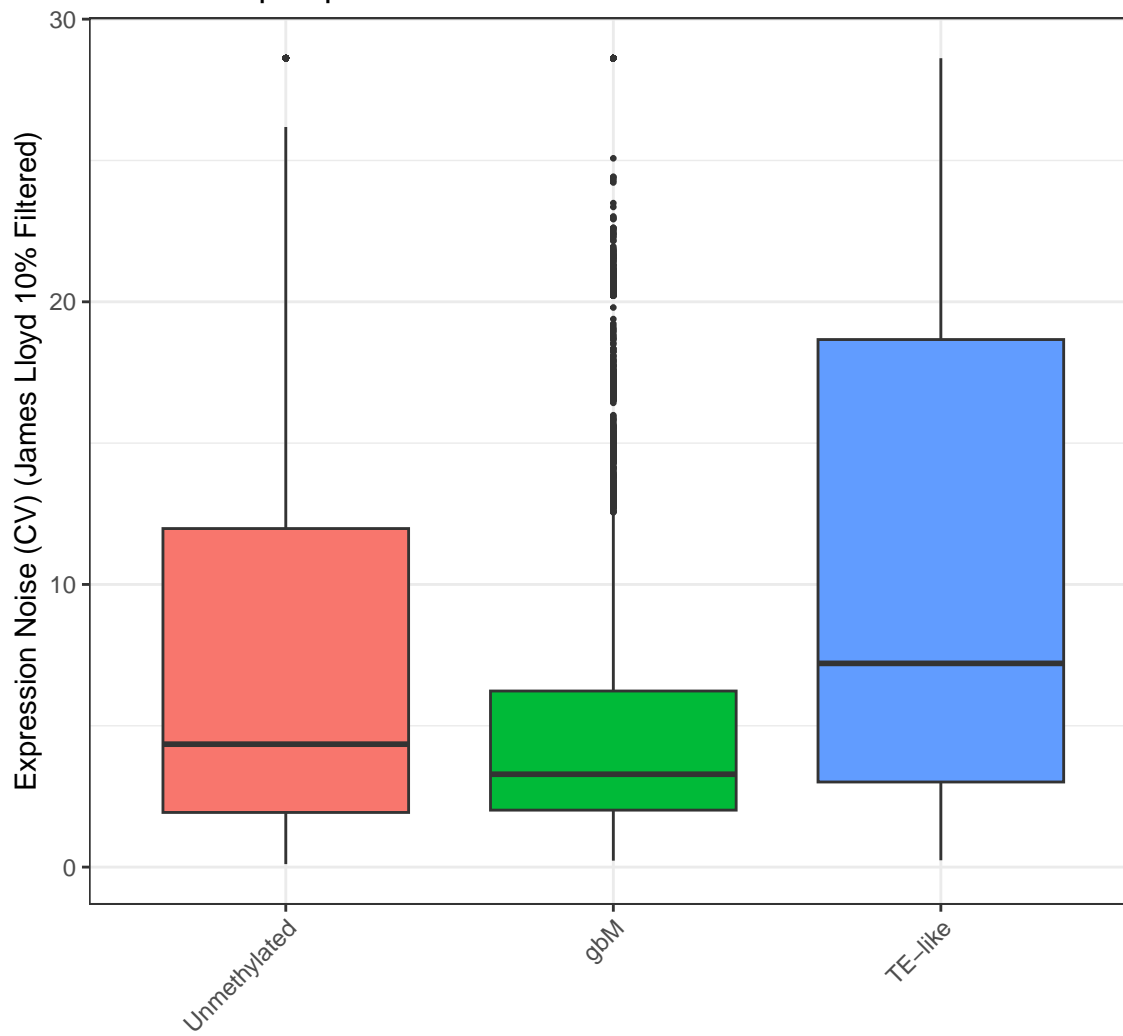
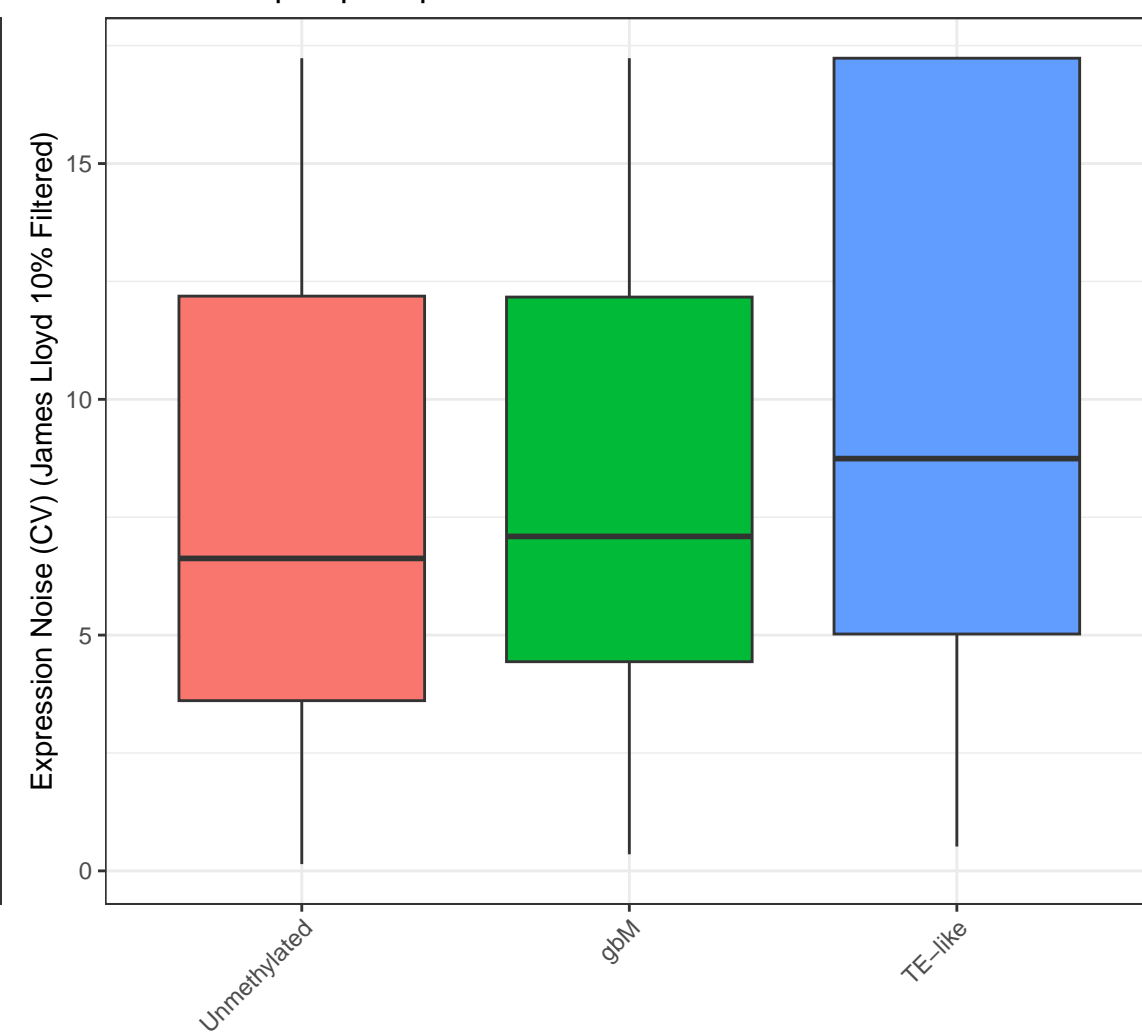


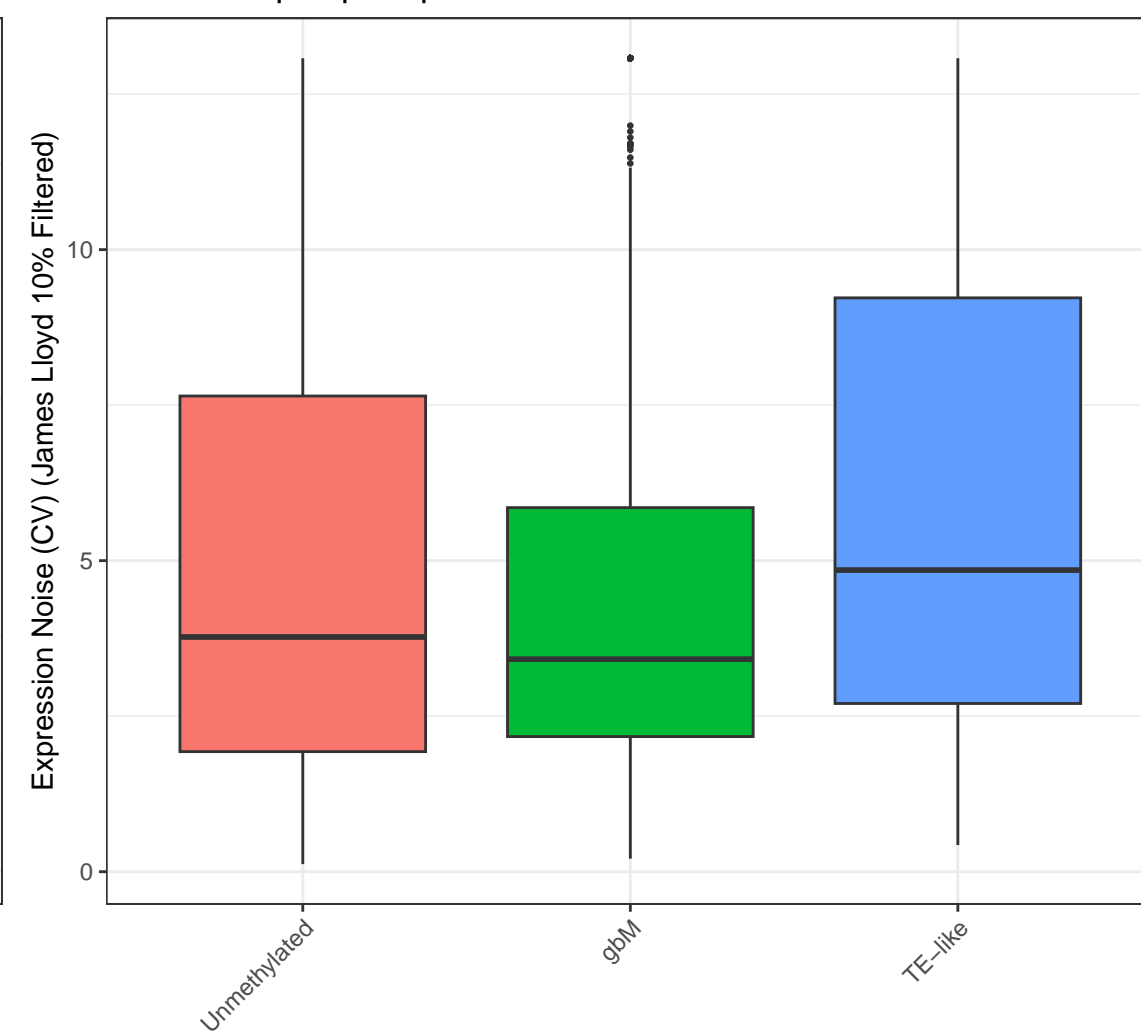
Cahn Group in procambium ERS+



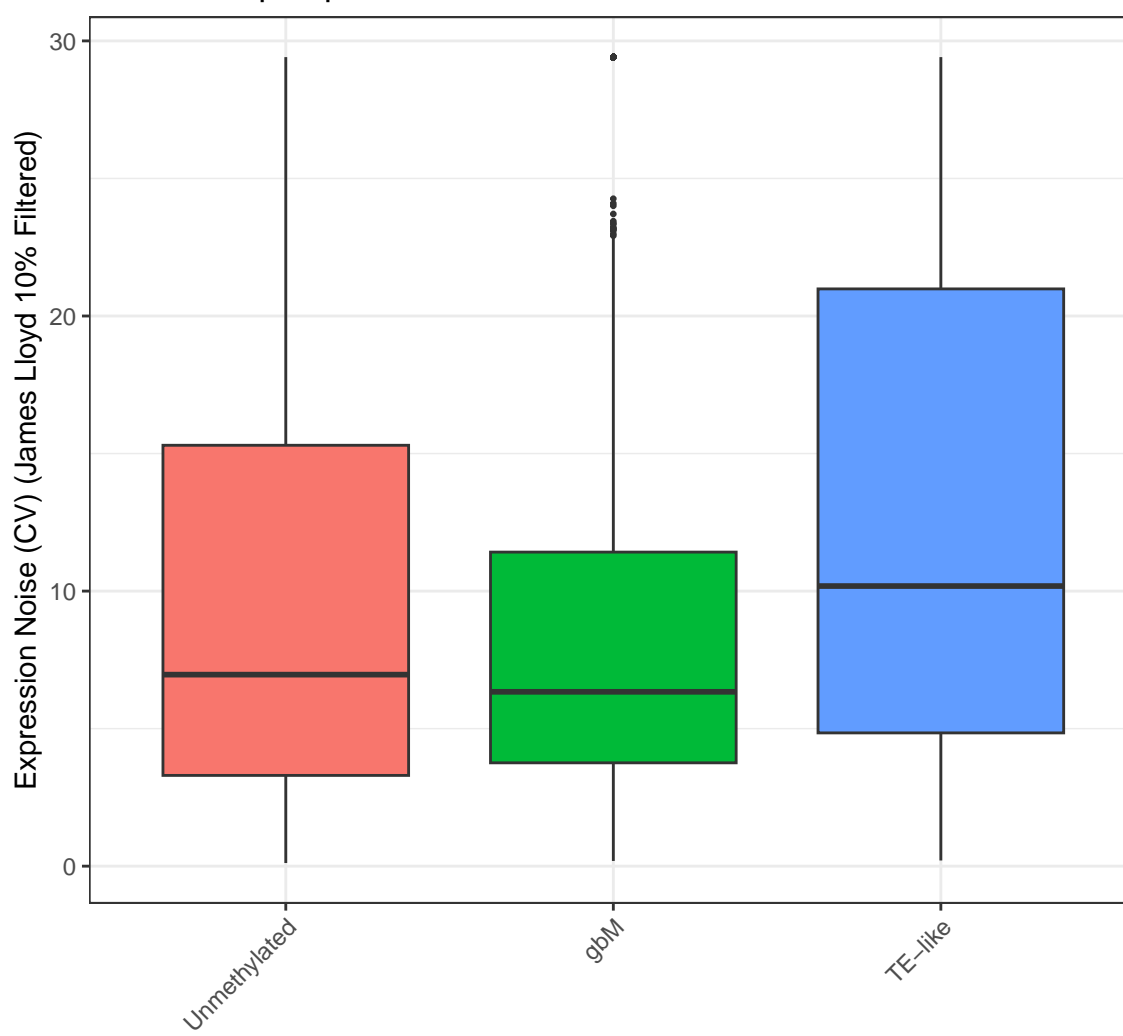
Cahn Group in protophloem ERS–



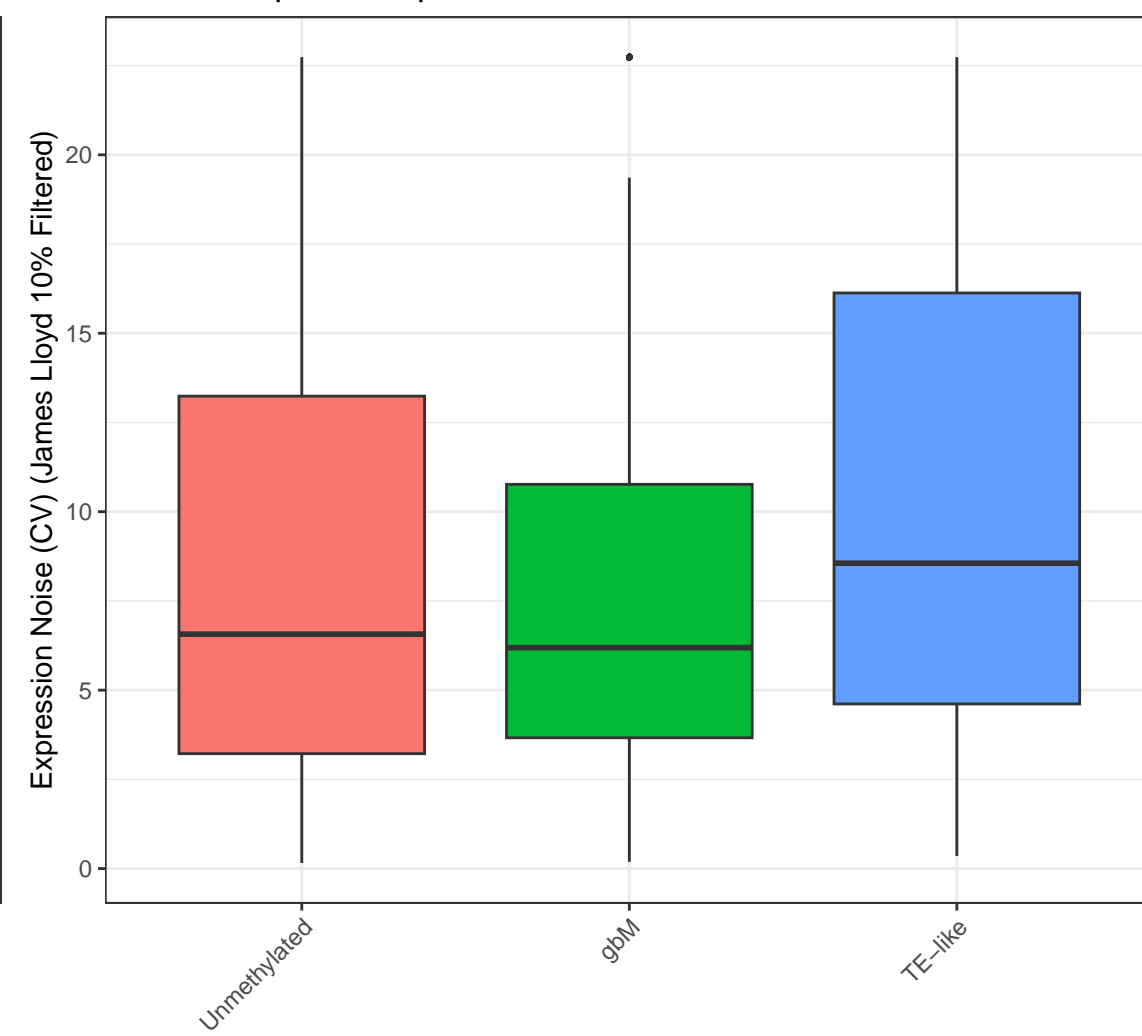
Cahn Group in protophloem ERS+



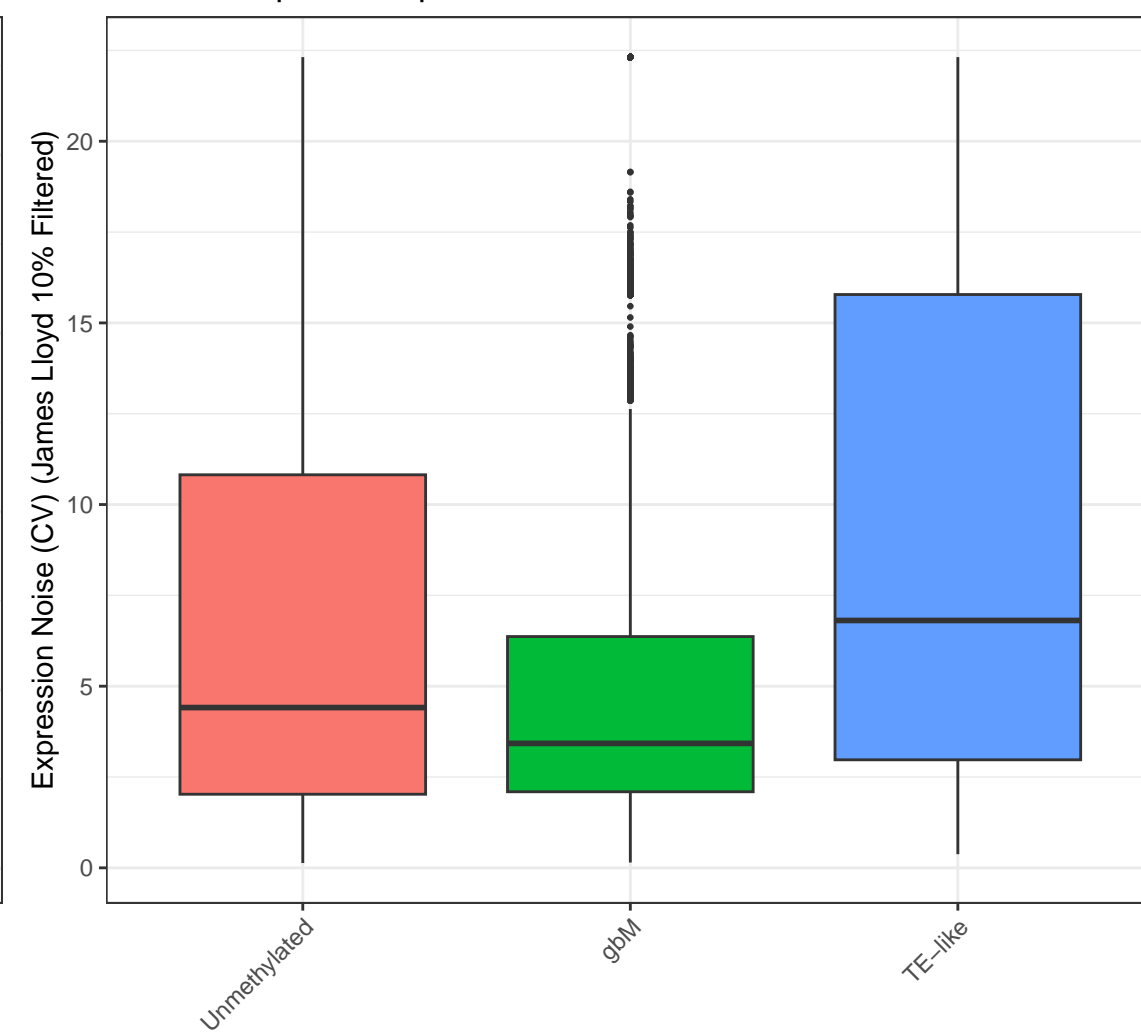
Cahn Group in procambium ERS–



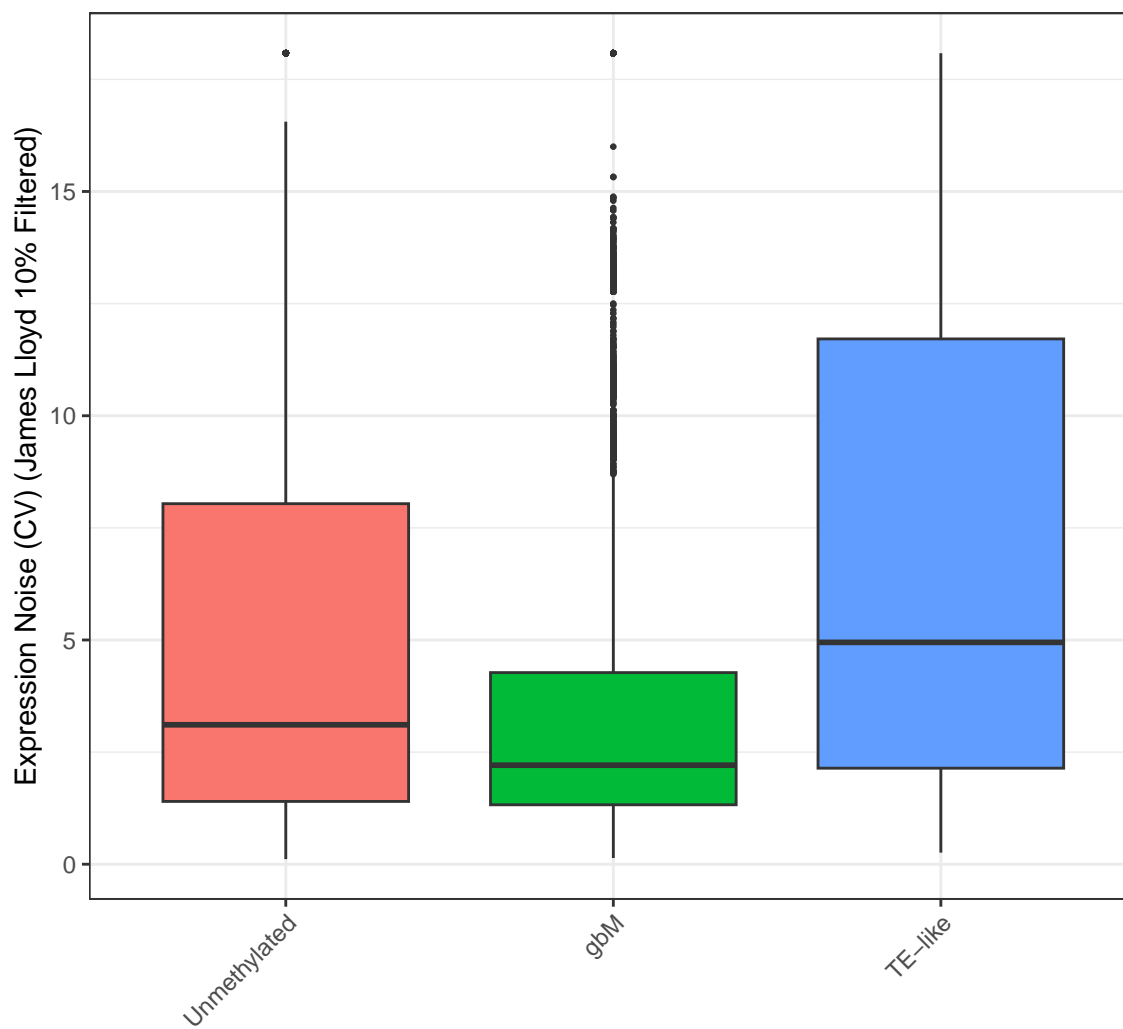
Cahn Group in metaphloem ERS—



Cahn Group in metaphloem ERS+

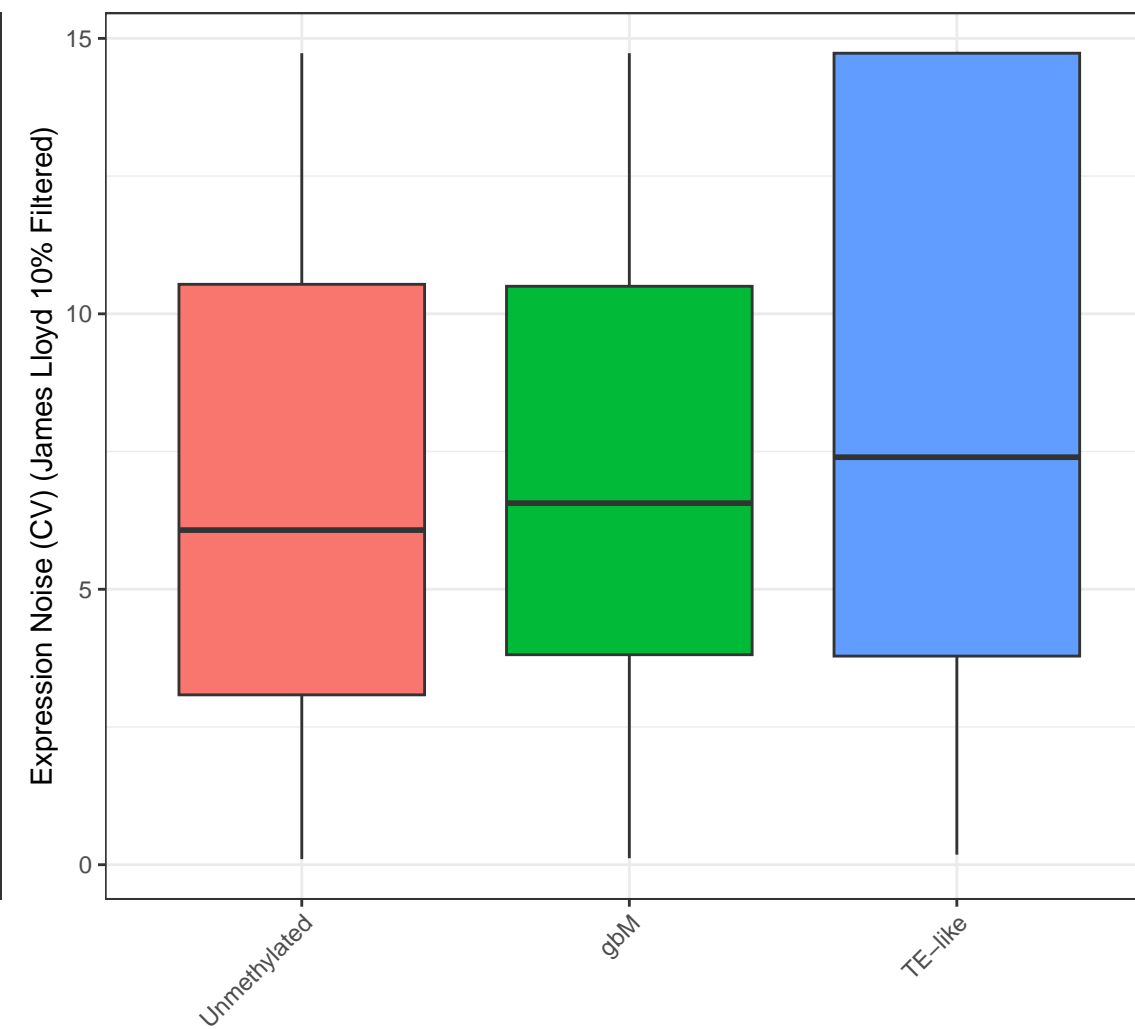


Cahn Group in metaxylem ERS+

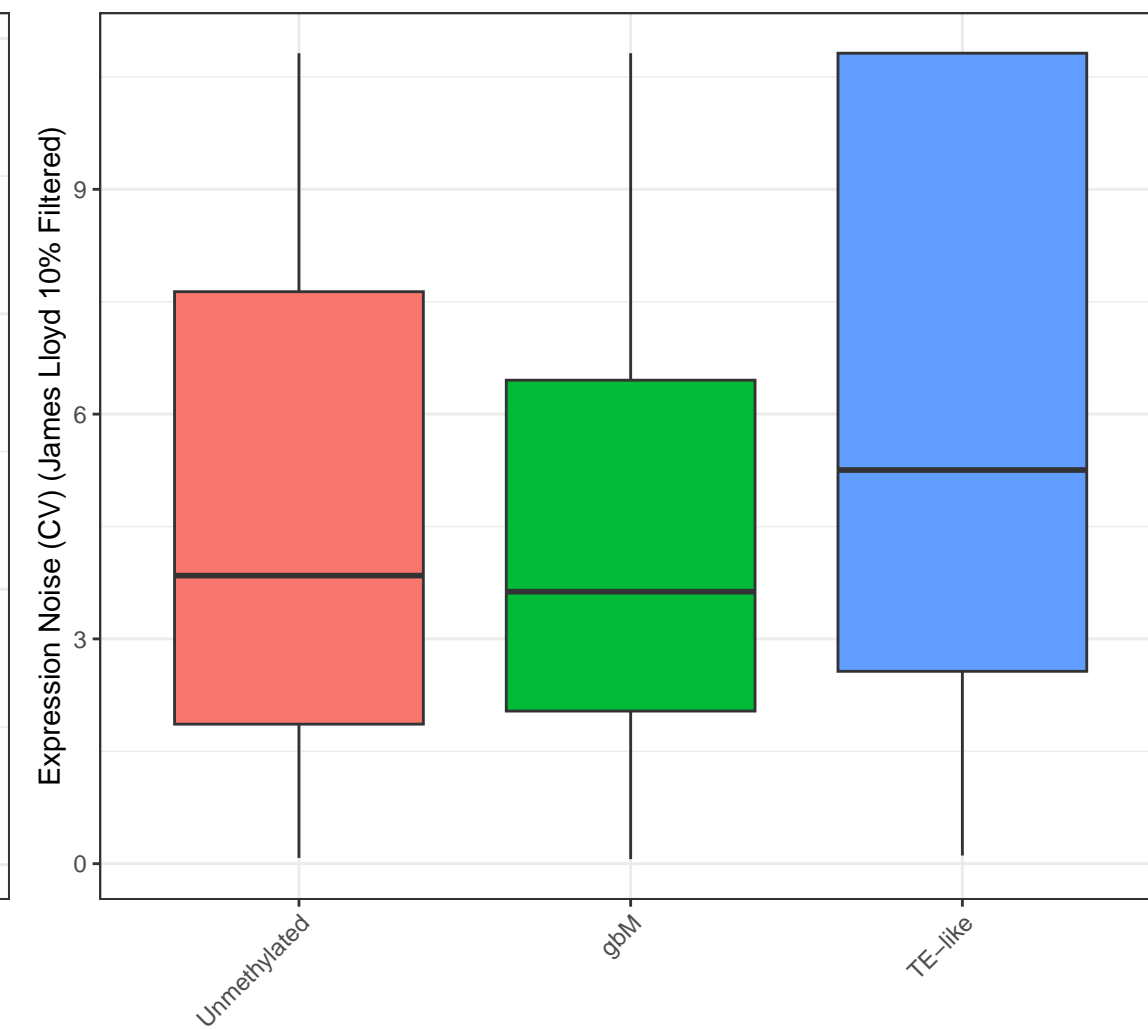


Expression Noise (CV) by Cahn Group in Celltypes (James Lloyd 10% Filtered)

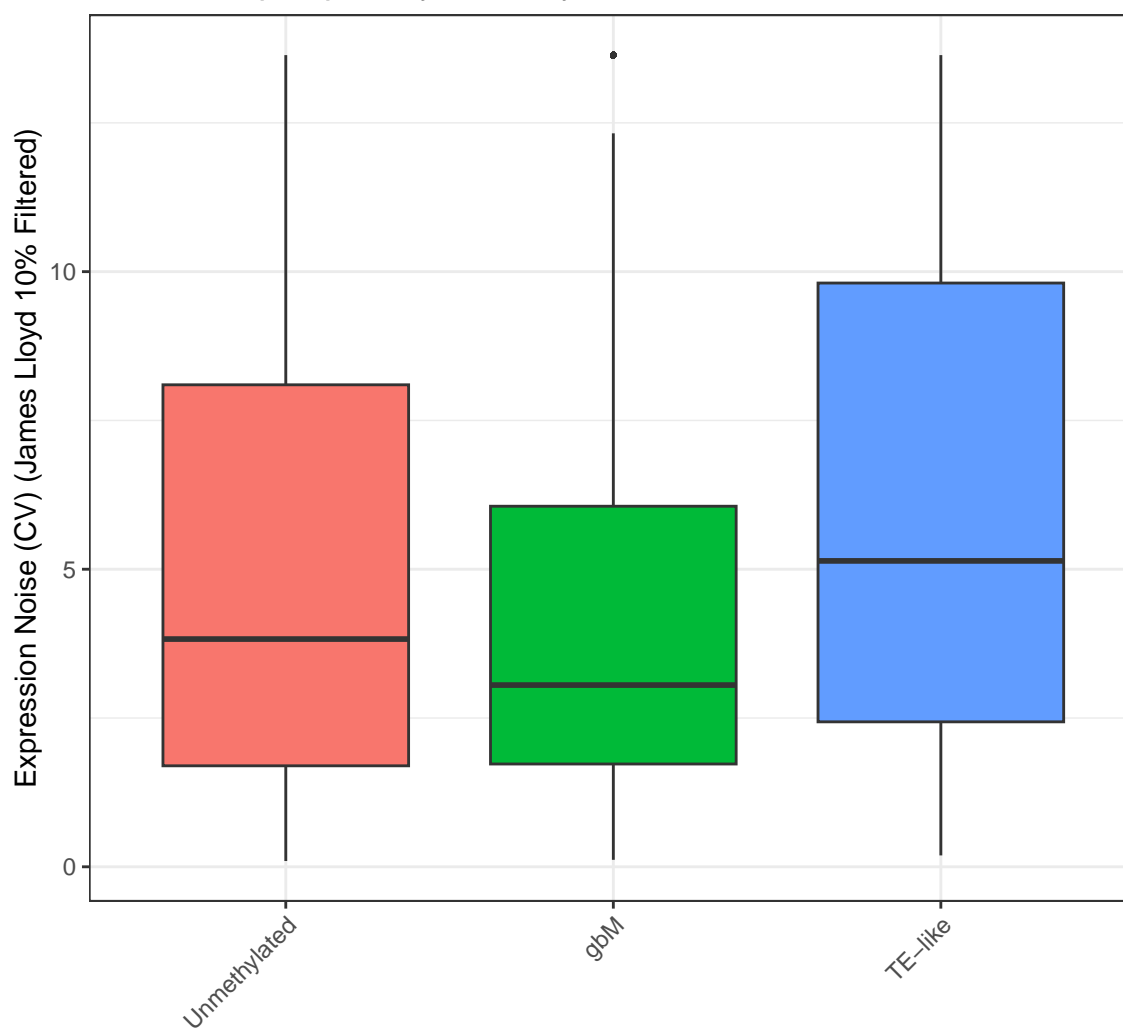
Cahn Group in protoxylem ERS–



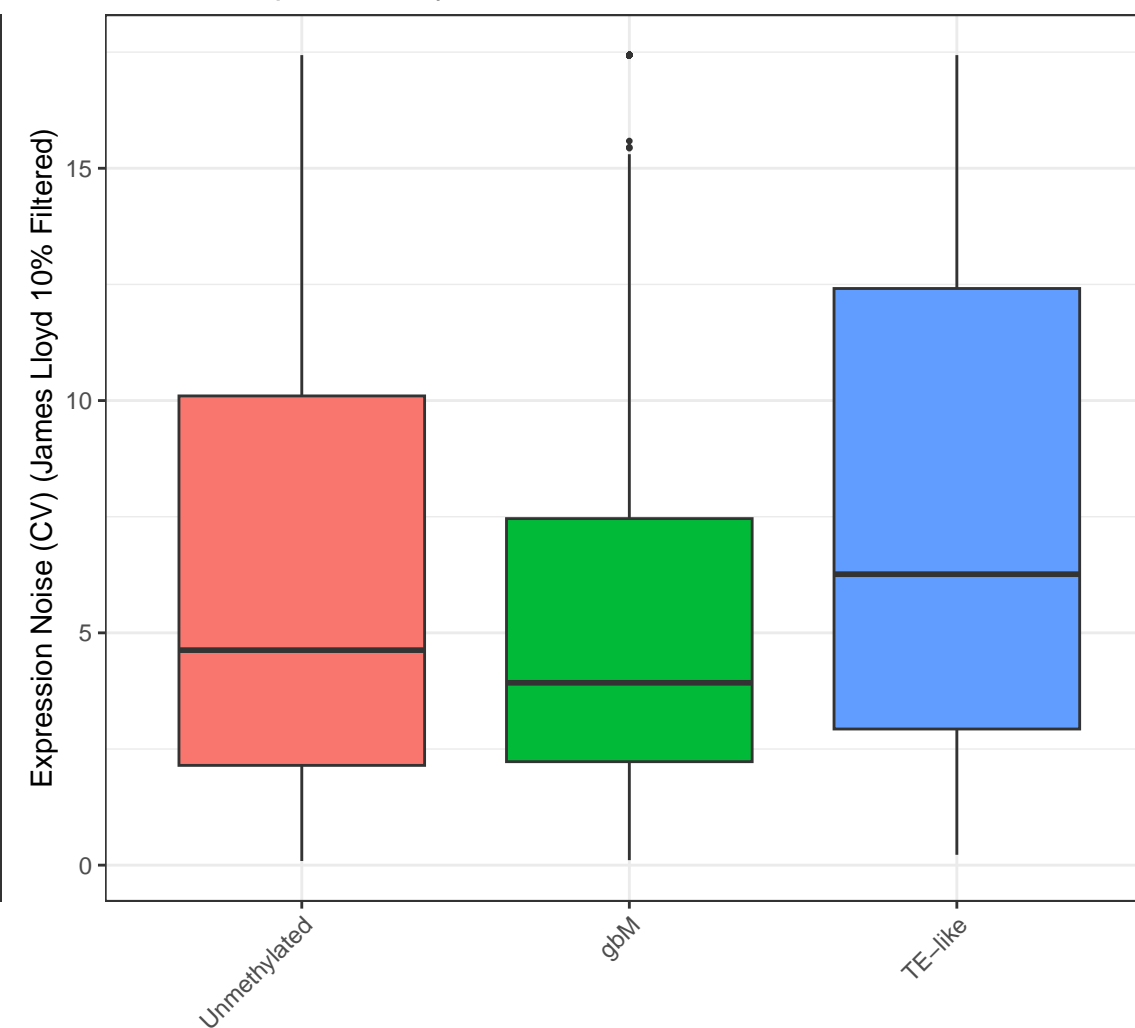
Cahn Group in protoxylem ERS+



Cahn Group in protoxylem early



Cahn Group in metaxylem ERS–



Statistical Comparisons for Expression Noise (CV) by Cahn Group in Celltypes (James Lloyd 10% Filtered)

Context	Filter_Tag	Specific_Context	Group_Type	Comparison	P_value_Formatted
CV Expr by Celltype	James Lloyd 10% Filtered	border cells	cahn_group	Overall (Kruskal–Wallis)	2.2433e−09
CV Expr by Celltype	James Lloyd 10% Filtered	border cells	cahn_group	gbM vs Unmethylated	1.4878e−07
CV Expr by Celltype	James Lloyd 10% Filtered	border cells	cahn_group	TE–like vs Unmethylated	2.3956e−05
CV Expr by Celltype	James Lloyd 10% Filtered	root cap early	cahn_group	Overall (Kruskal–Wallis)	1.0761e−117
CV Expr by Celltype	James Lloyd 10% Filtered	root cap early	cahn_group	gbM vs Unmethylated	1.1844e−68
CV Expr by Celltype	James Lloyd 10% Filtered	root cap early	cahn_group	TE–like vs Unmethylated	2.1877e−26
CV Expr by Celltype	James Lloyd 10% Filtered	root cap tip	cahn_group	Overall (Kruskal–Wallis)	6.7129e−38
CV Expr by Celltype	James Lloyd 10% Filtered	root cap tip	cahn_group	gbM vs Unmethylated	3.3083e−19
CV Expr by Celltype	James Lloyd 10% Filtered	root cap tip	cahn_group	TE–like vs Unmethylated	1.6519e−12
CV Expr by Celltype	James Lloyd 10% Filtered	root cap lateral	cahn_group	Overall (Kruskal–Wallis)	1.3377e−34
CV Expr by Celltype	James Lloyd 10% Filtered	root cap lateral	cahn_group	gbM vs Unmethylated	1.3735e−12
CV Expr by Celltype	James Lloyd 10% Filtered	root cap lateral	cahn_group	TE–like vs Unmethylated	5.2793e−16
CV Expr by Celltype	James Lloyd 10% Filtered	columella	cahn_group	Overall (Kruskal–Wallis)	7.9457e−43
CV Expr by Celltype	James Lloyd 10% Filtered	columella	cahn_group	gbM vs Unmethylated	1.2817e−20
CV Expr by Celltype	James Lloyd 10% Filtered	columella	cahn_group	TE–like vs Unmethylated	3.3094e−14
CV Expr by Celltype	James Lloyd 10% Filtered	non–hair cells	cahn_group	Overall (Kruskal–Wallis)	2.2976e−133
CV Expr by Celltype	James Lloyd 10% Filtered	non–hair cells	cahn_group	gbM vs Unmethylated	1.3080e−86
CV Expr by Celltype	James Lloyd 10% Filtered	non–hair cells	cahn_group	TE–like vs Unmethylated	8.7031e−24
CV Expr by Celltype	James Lloyd 10% Filtered	epidermis early	cahn_group	Overall (Kruskal–Wallis)	4.2916e−256
CV Expr by Celltype	James Lloyd 10% Filtered	epidermis early	cahn_group	gbM vs Unmethylated	9.8909e−187
CV Expr by Celltype	James Lloyd 10% Filtered	epidermis early	cahn_group	TE–like vs Unmethylated	2.1087e−30
CV Expr by Celltype	James Lloyd 10% Filtered	hair cells early	cahn_group	Overall (Kruskal–Wallis)	1.5799e−186
CV Expr by Celltype	James Lloyd 10% Filtered	hair cells early	cahn_group	gbM vs Unmethylated	1.2545e−130
CV Expr by Celltype	James Lloyd 10% Filtered	hair cells early	cahn_group	TE–like vs Unmethylated	1.4365e−25
CV Expr by Celltype	James Lloyd 10% Filtered	cortex ERS+	cahn_group	Overall (Kruskal–Wallis)	8.4947e−69
CV Expr by Celltype	James Lloyd 10% Filtered	cortex ERS+	cahn_group	gbM vs Unmethylated	1.6830e−42
CV Expr by Celltype	James Lloyd 10% Filtered	cortex ERS+	cahn_group	TE–like vs Unmethylated	1.0782e−14
CV Expr by Celltype	James Lloyd 10% Filtered	hair cells ERS+	cahn_group	Overall (Kruskal–Wallis)	8.4649e−86
CV Expr by Celltype	James Lloyd 10% Filtered	hair cells ERS+	cahn_group	gbM vs Unmethylated	1.5641e−58
CV Expr by Celltype	James Lloyd 10% Filtered	hair cells ERS+	cahn_group	TE–like vs Unmethylated	6.8005e−14

Statistical Comparisons for Expression Noise (CV) by Cahn Group in Celltypes (James Lloyd 10% Filtered)

Context	Filter_Tag	Specific_Context	Group_Type	Comparison	P_value_Formatted
CV Expr by Celltype	James Lloyd 10% Filtered	hair cells ERS-	cahn_group	Overall (Kruskal-Wallis)	1.8195e-21
CV Expr by Celltype	James Lloyd 10% Filtered	hair cells ERS-	cahn_group	gbM vs Unmethylated	3.4964e-12
CV Expr by Celltype	James Lloyd 10% Filtered	hair cells ERS-	cahn_group	TE-like vs Unmethylated	4.2159e-07
CV Expr by Celltype	James Lloyd 10% Filtered	xpp ERS-	cahn_group	Overall (Kruskal-Wallis)	1.0814e-43
CV Expr by Celltype	James Lloyd 10% Filtered	xpp ERS-	cahn_group	gbM vs Unmethylated	7.7915e-23
CV Expr by Celltype	James Lloyd 10% Filtered	xpp ERS-	cahn_group	TE-like vs Unmethylated	3.4236e-13
CV Expr by Celltype	James Lloyd 10% Filtered	cortex ERS-	cahn_group	Overall (Kruskal-Wallis)	4.5759e-11
CV Expr by Celltype	James Lloyd 10% Filtered	cortex ERS-	cahn_group	gbM vs Unmethylated	4.6858e-01
CV Expr by Celltype	James Lloyd 10% Filtered	cortex ERS-	cahn_group	TE-like vs Unmethylated	8.8389e-11
CV Expr by Celltype	James Lloyd 10% Filtered	endodermis ERS-	cahn_group	Overall (Kruskal-Wallis)	9.1204e-16
CV Expr by Celltype	James Lloyd 10% Filtered	endodermis ERS-	cahn_group	gbM vs Unmethylated	1.4227e-02
CV Expr by Celltype	James Lloyd 10% Filtered	endodermis ERS-	cahn_group	TE-like vs Unmethylated	4.1535e-15
CV Expr by Celltype	James Lloyd 10% Filtered	endodermis ERS+	cahn_group	Overall (Kruskal-Wallis)	1.0813e-105
CV Expr by Celltype	James Lloyd 10% Filtered	endodermis ERS+	cahn_group	gbM vs Unmethylated	6.5447e-68
CV Expr by Celltype	James Lloyd 10% Filtered	endodermis ERS+	cahn_group	TE-like vs Unmethylated	1.6524e-19
CV Expr by Celltype	James Lloyd 10% Filtered	xpp ERS+	cahn_group	Overall (Kruskal-Wallis)	1.1886e-163
CV Expr by Celltype	James Lloyd 10% Filtered	xpp ERS+	cahn_group	gbM vs Unmethylated	2.2330e-110
CV Expr by Celltype	James Lloyd 10% Filtered	xpp ERS+	cahn_group	TE-like vs Unmethylated	4.8095e-26
CV Expr by Celltype	James Lloyd 10% Filtered	ppp ERS+	cahn_group	Overall (Kruskal-Wallis)	9.7727e-91
CV Expr by Celltype	James Lloyd 10% Filtered	ppp ERS+	cahn_group	gbM vs Unmethylated	6.0823e-60
CV Expr by Celltype	James Lloyd 10% Filtered	ppp ERS+	cahn_group	TE-like vs Unmethylated	5.4630e-16
CV Expr by Celltype	James Lloyd 10% Filtered	ppp ERS-	cahn_group	Overall (Kruskal-Wallis)	3.2098e-21
CV Expr by Celltype	James Lloyd 10% Filtered	ppp ERS-	cahn_group	gbM vs Unmethylated	8.9209e-08
CV Expr by Celltype	James Lloyd 10% Filtered	ppp ERS-	cahn_group	TE-like vs Unmethylated	1.3983e-10
CV Expr by Celltype	James Lloyd 10% Filtered	procambium ERS+	cahn_group	Overall (Kruskal-Wallis)	1.6421e-78
CV Expr by Celltype	James Lloyd 10% Filtered	procambium ERS+	cahn_group	gbM vs Unmethylated	1.6697e-46
CV Expr by Celltype	James Lloyd 10% Filtered	procambium ERS+	cahn_group	TE-like vs Unmethylated	4.1139e-18
CV Expr by Celltype	James Lloyd 10% Filtered	procambium ERS-	cahn_group	Overall (Kruskal-Wallis)	7.5508e-22
CV Expr by Celltype	James Lloyd 10% Filtered	procambium ERS-	cahn_group	gbM vs Unmethylated	8.6428e-06
CV Expr by Celltype	James Lloyd 10% Filtered	procambium ERS-	cahn_group	TE-like vs Unmethylated	3.5535e-13

Statistical Comparisons for Expression Noise (CV) by Cahn Group in Celltypes (James Lloyd 10% Filtered)

Context	Filter_Tag	Specific_Context	Group_Type	Comparison	P_value_Formatted
CV Expr by Celltype	James Lloyd 10% Filtered	protophloem ERS-	cahn_group	Overall (Kruskal-Wallis)	5.0180e-16
CV Expr by Celltype	James Lloyd 10% Filtered	protophloem ERS-	cahn_group	gbM vs Unmethylated	6.7741e-09
CV Expr by Celltype	James Lloyd 10% Filtered	protophloem ERS-	cahn_group	TE-like vs Unmethylated	1.4903e-11
CV Expr by Celltype	James Lloyd 10% Filtered	metaphloem ERS-	cahn_group	Overall (Kruskal-Wallis)	9.3802e-13
CV Expr by Celltype	James Lloyd 10% Filtered	metaphloem ERS-	cahn_group	gbM vs Unmethylated	8.2491e-02
CV Expr by Celltype	James Lloyd 10% Filtered	metaphloem ERS-	cahn_group	TE-like vs Unmethylated	1.8614e-10
CV Expr by Celltype	James Lloyd 10% Filtered	protophloem ERS+	cahn_group	Overall (Kruskal-Wallis)	1.0857e-15
CV Expr by Celltype	James Lloyd 10% Filtered	protophloem ERS+	cahn_group	gbM vs Unmethylated	5.5541e-06
CV Expr by Celltype	James Lloyd 10% Filtered	protophloem ERS+	cahn_group	TE-like vs Unmethylated	6.1238e-08
CV Expr by Celltype	James Lloyd 10% Filtered	metaphloem ERS+	cahn_group	Overall (Kruskal-Wallis)	6.1710e-62
CV Expr by Celltype	James Lloyd 10% Filtered	metaphloem ERS+	cahn_group	gbM vs Unmethylated	6.3742e-38
CV Expr by Celltype	James Lloyd 10% Filtered	metaphloem ERS+	cahn_group	TE-like vs Unmethylated	9.6543e-14
CV Expr by Celltype	James Lloyd 10% Filtered	metaxylem ERS+	cahn_group	Overall (Kruskal-Wallis)	9.1126e-105
CV Expr by Celltype	James Lloyd 10% Filtered	metaxylem ERS+	cahn_group	gbM vs Unmethylated	3.8467e-71
CV Expr by Celltype	James Lloyd 10% Filtered	metaxylem ERS+	cahn_group	TE-like vs Unmethylated	3.0238e-17
CV Expr by Celltype	James Lloyd 10% Filtered	protoxylem early	cahn_group	Overall (Kruskal-Wallis)	7.9004e-36
CV Expr by Celltype	James Lloyd 10% Filtered	protoxylem early	cahn_group	gbM vs Unmethylated	5.4311e-23
CV Expr by Celltype	James Lloyd 10% Filtered	protoxylem early	cahn_group	TE-like vs Unmethylated	2.1767e-08
CV Expr by Celltype	James Lloyd 10% Filtered	protoxylem ERS-	cahn_group	Overall (Kruskal-Wallis)	7.0012e-09
CV Expr by Celltype	James Lloyd 10% Filtered	protoxylem ERS-	cahn_group	gbM vs Unmethylated	5.5528e-08
CV Expr by Celltype	James Lloyd 10% Filtered	protoxylem ERS-	cahn_group	TE-like vs Unmethylated	2.7707e-04
CV Expr by Celltype	James Lloyd 10% Filtered	metaxylem ERS-	cahn_group	Overall (Kruskal-Wallis)	1.2205e-23
CV Expr by Celltype	James Lloyd 10% Filtered	metaxylem ERS-	cahn_group	gbM vs Unmethylated	7.0243e-13
CV Expr by Celltype	James Lloyd 10% Filtered	metaxylem ERS-	cahn_group	TE-like vs Unmethylated	3.7715e-08
CV Expr by Celltype	James Lloyd 10% Filtered	protoxylem ERS+	cahn_group	Overall (Kruskal-Wallis)	1.6091e-08
CV Expr by Celltype	James Lloyd 10% Filtered	protoxylem ERS+	cahn_group	gbM vs Unmethylated	3.4990e-01
CV Expr by Celltype	James Lloyd 10% Filtered	protoxylem ERS+	cahn_group	TE-like vs Unmethylated	6.1205e-08