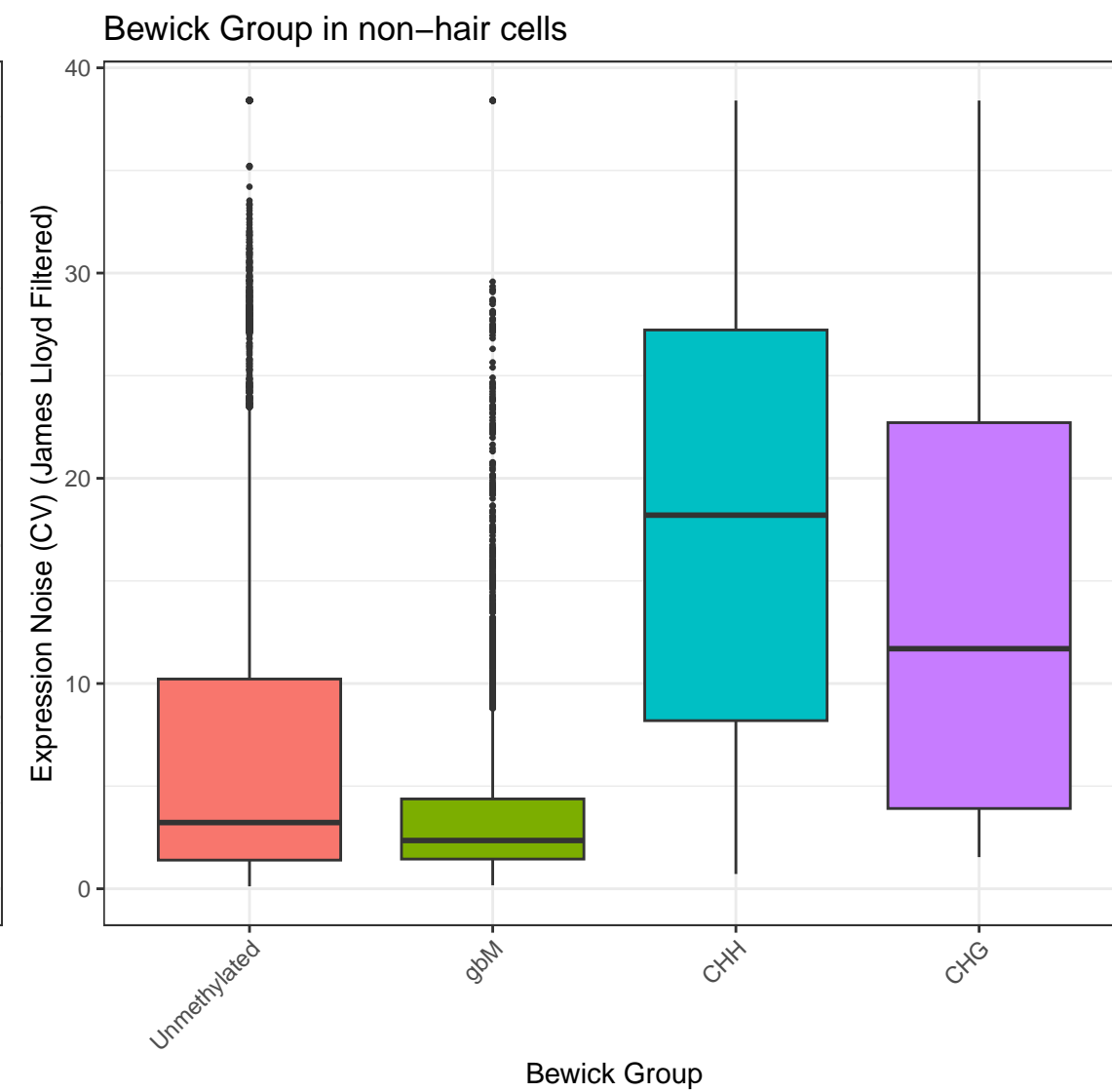
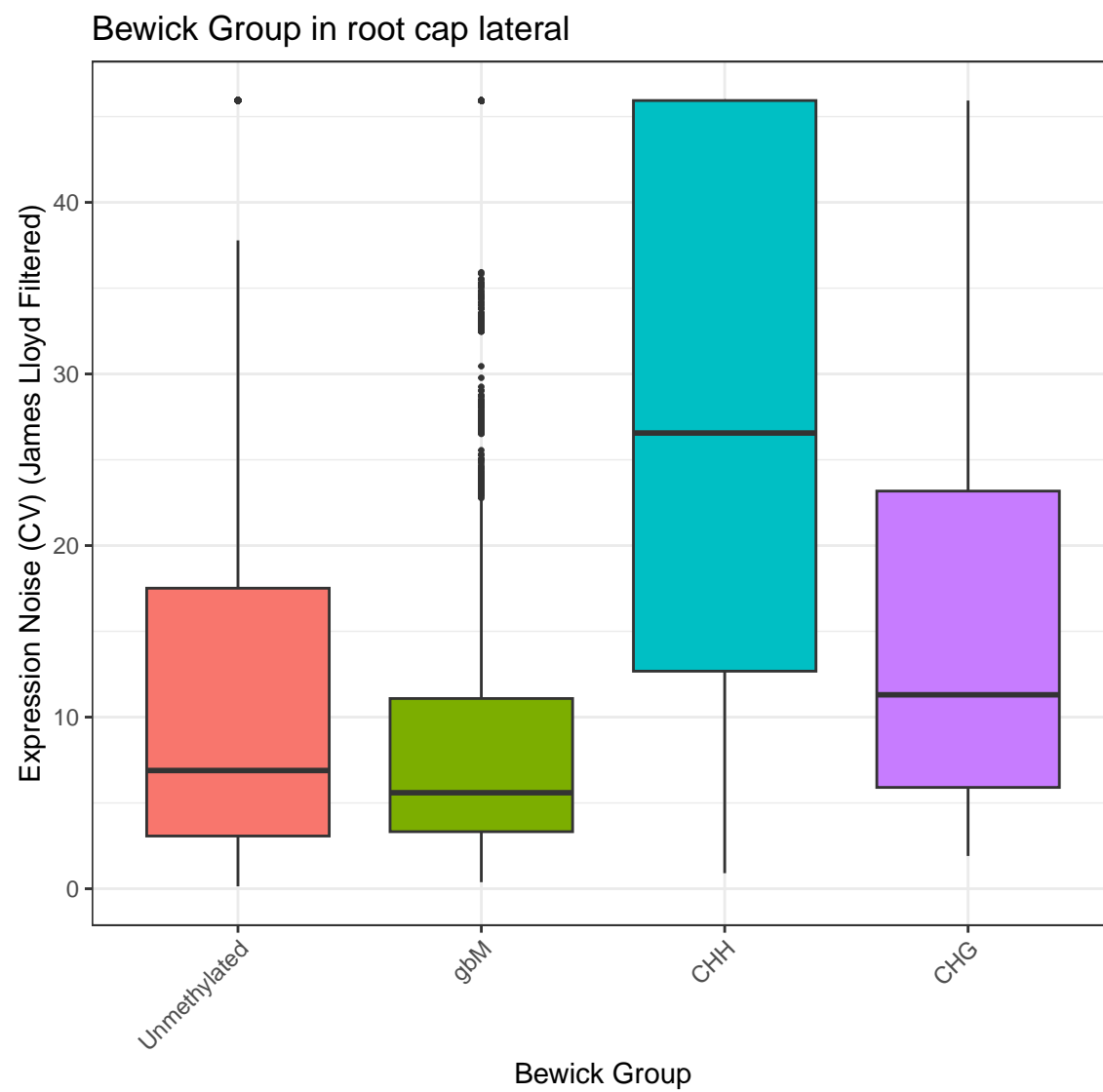
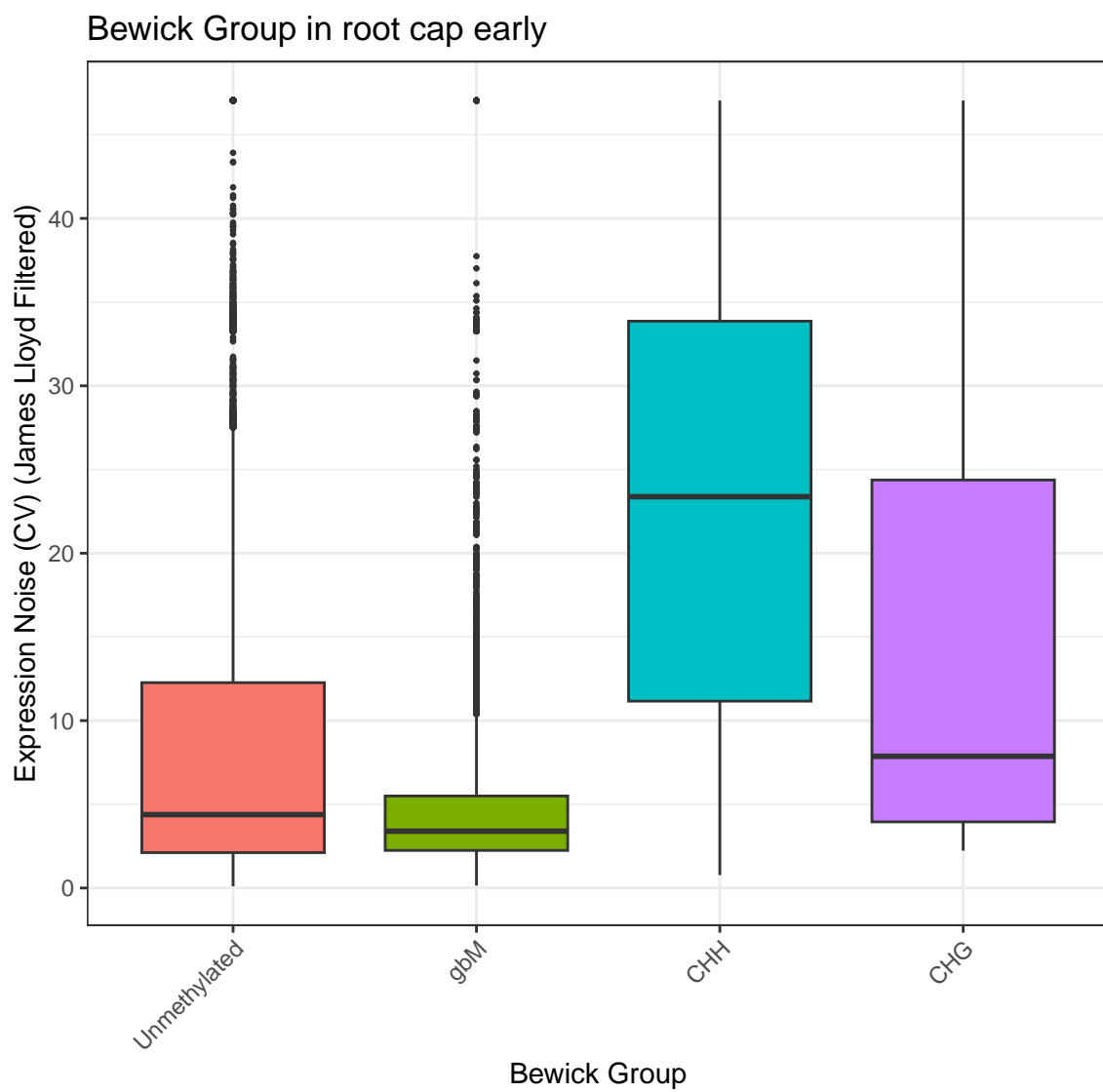
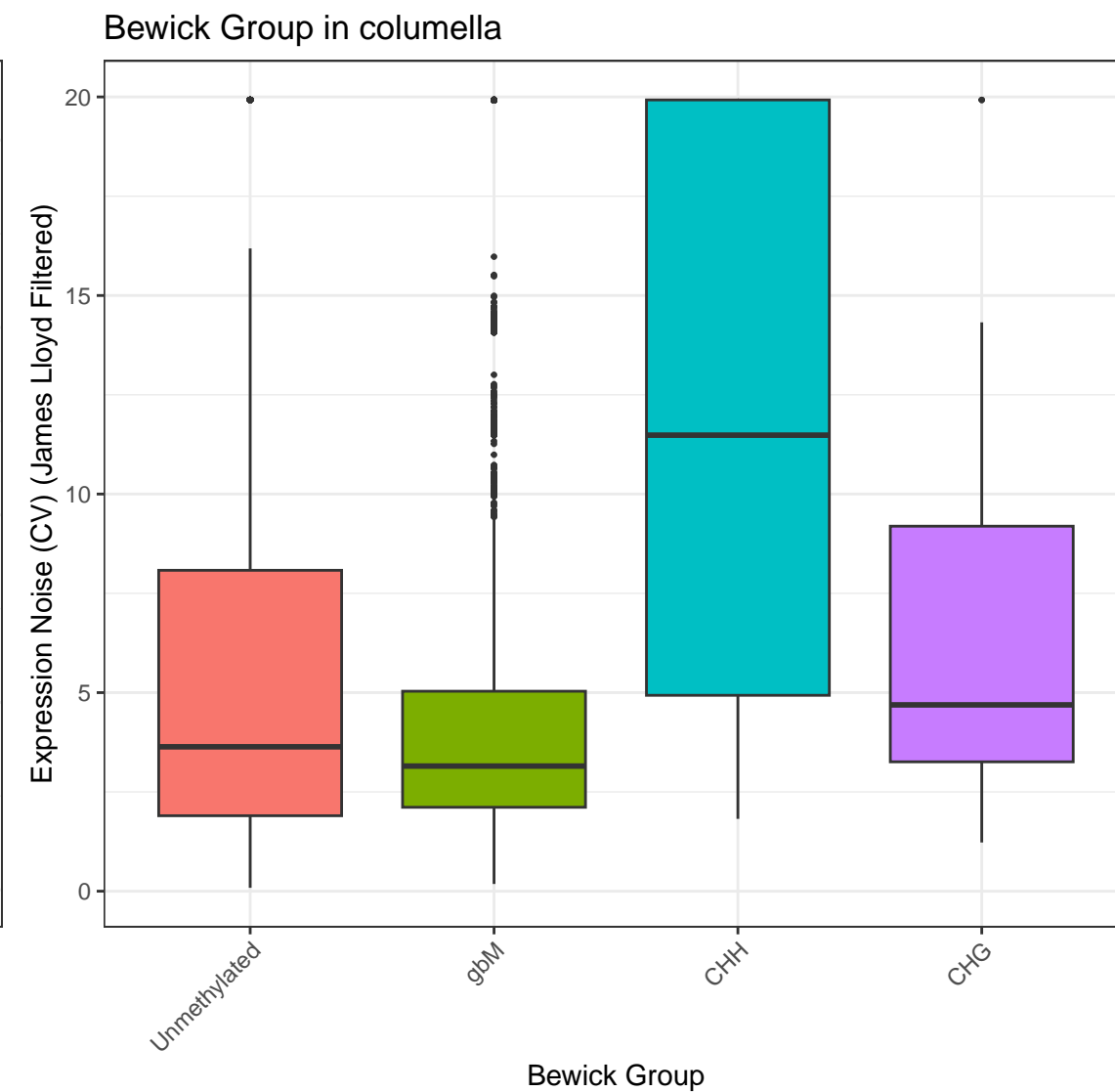
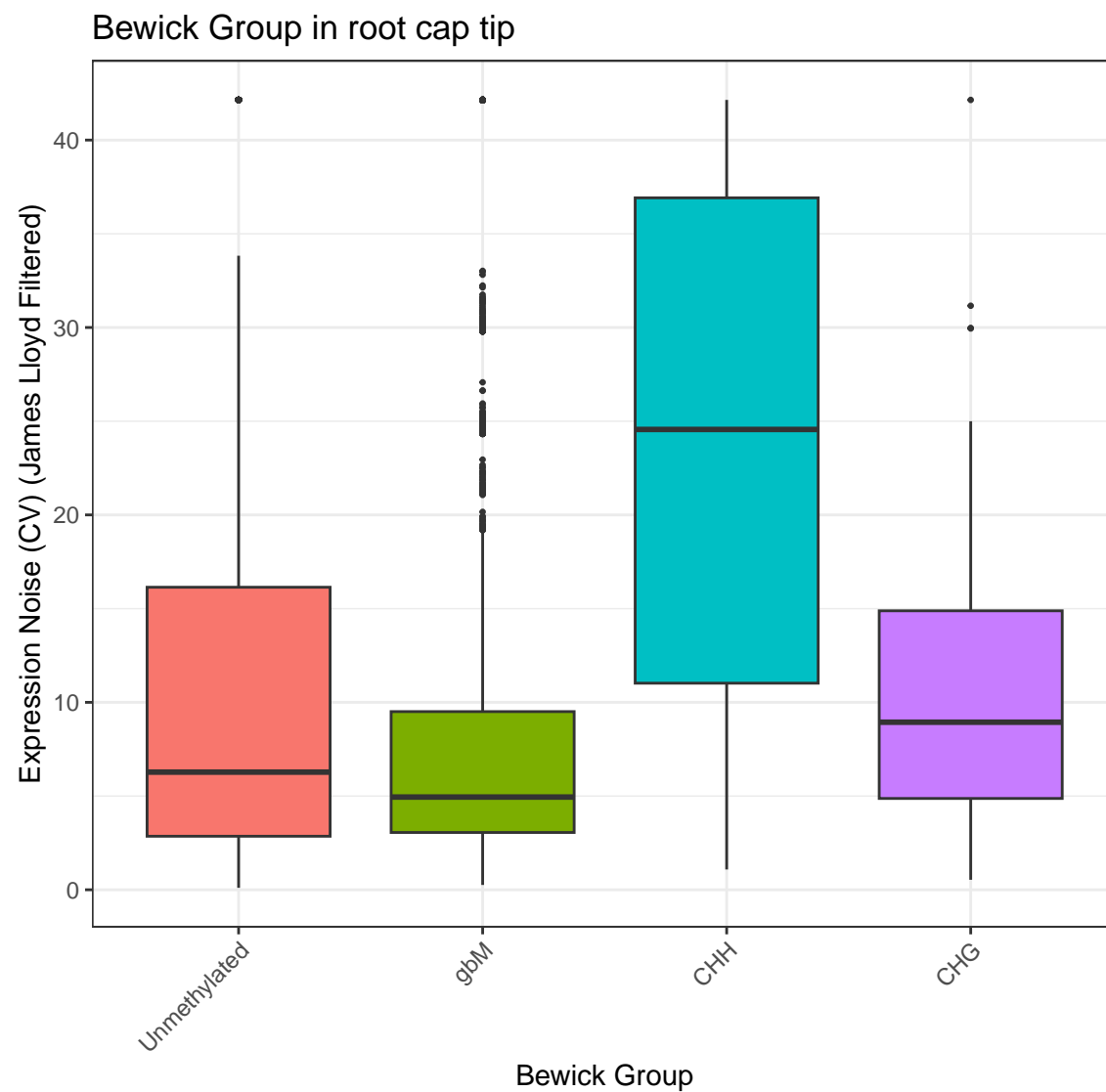
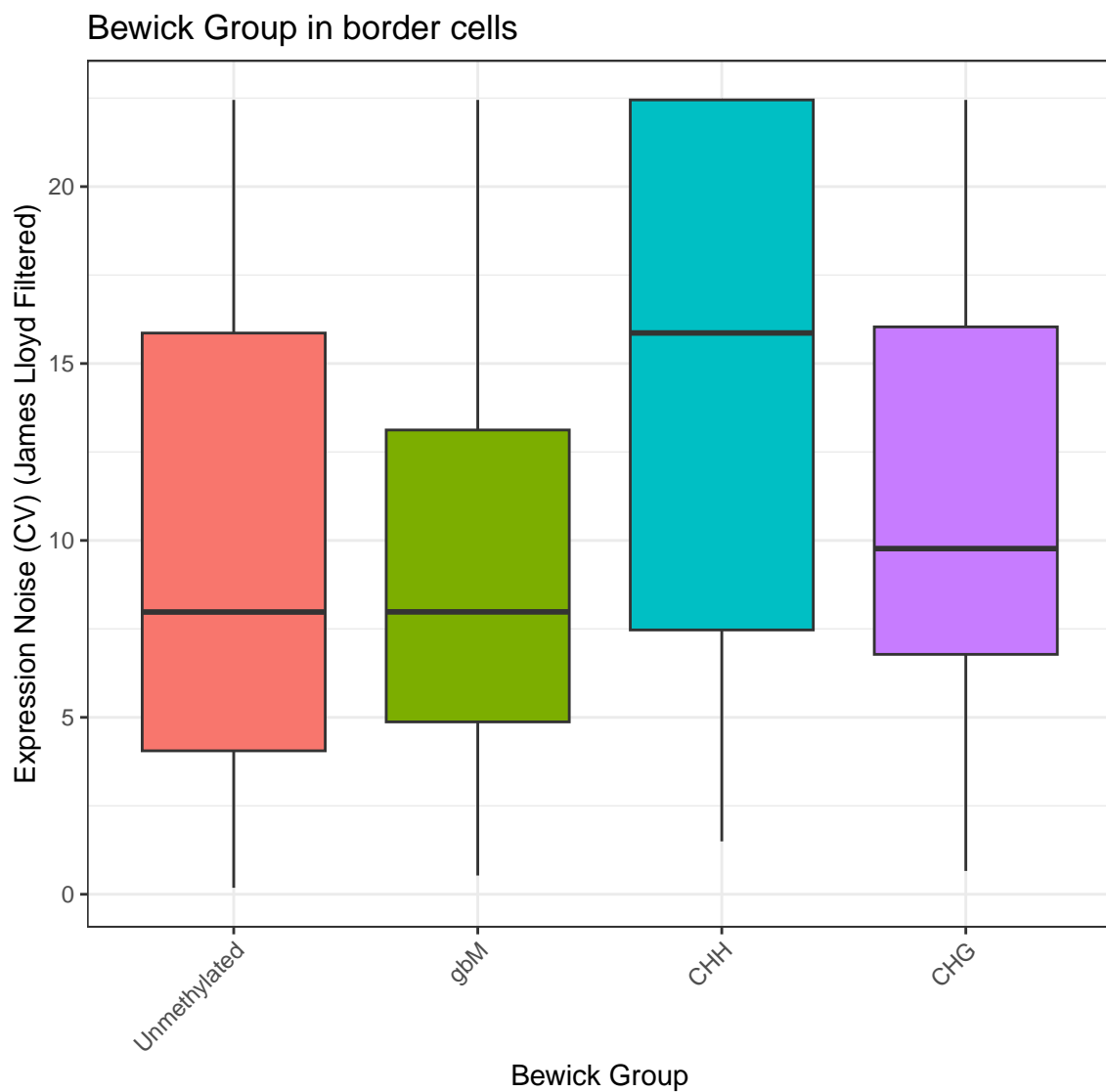
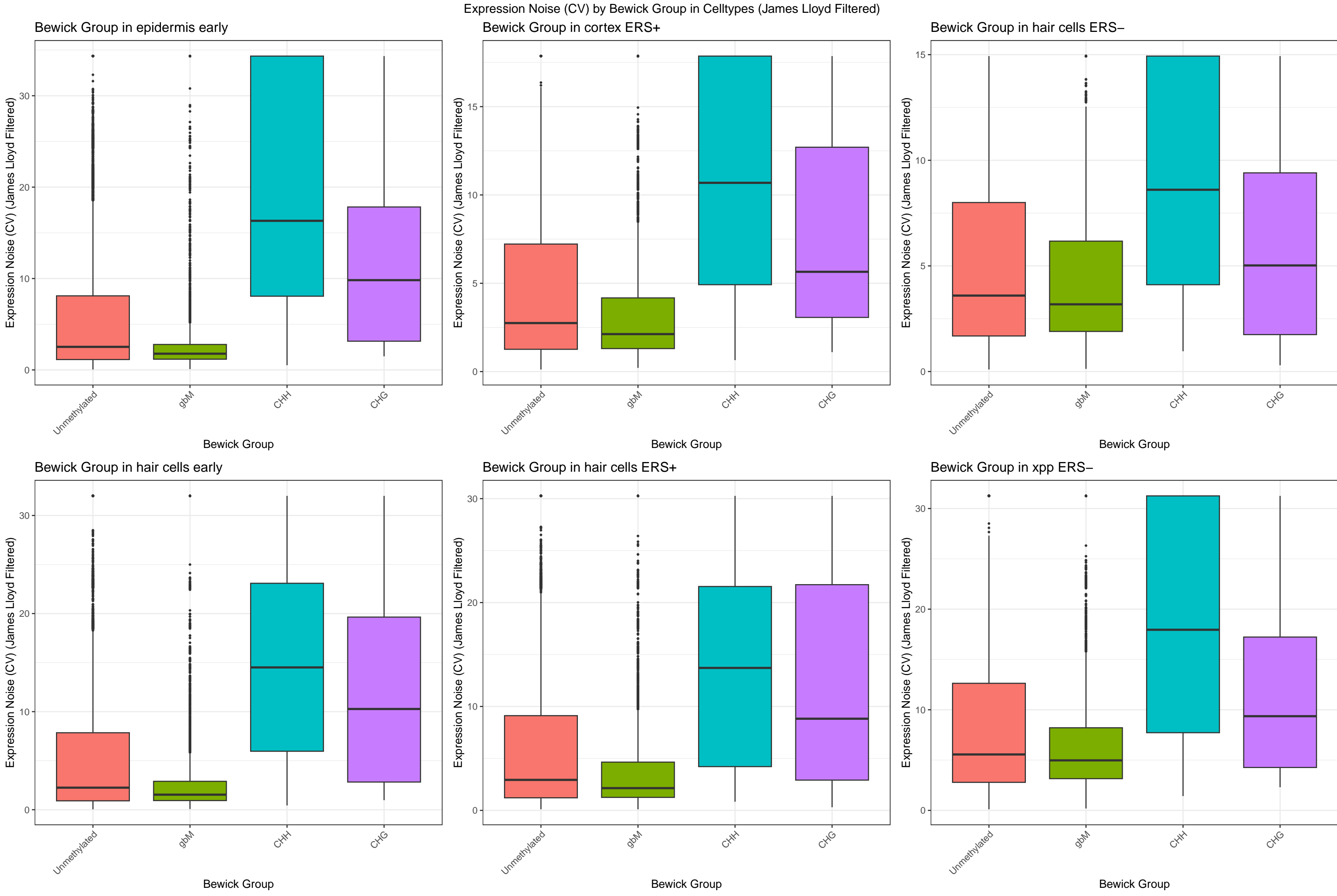
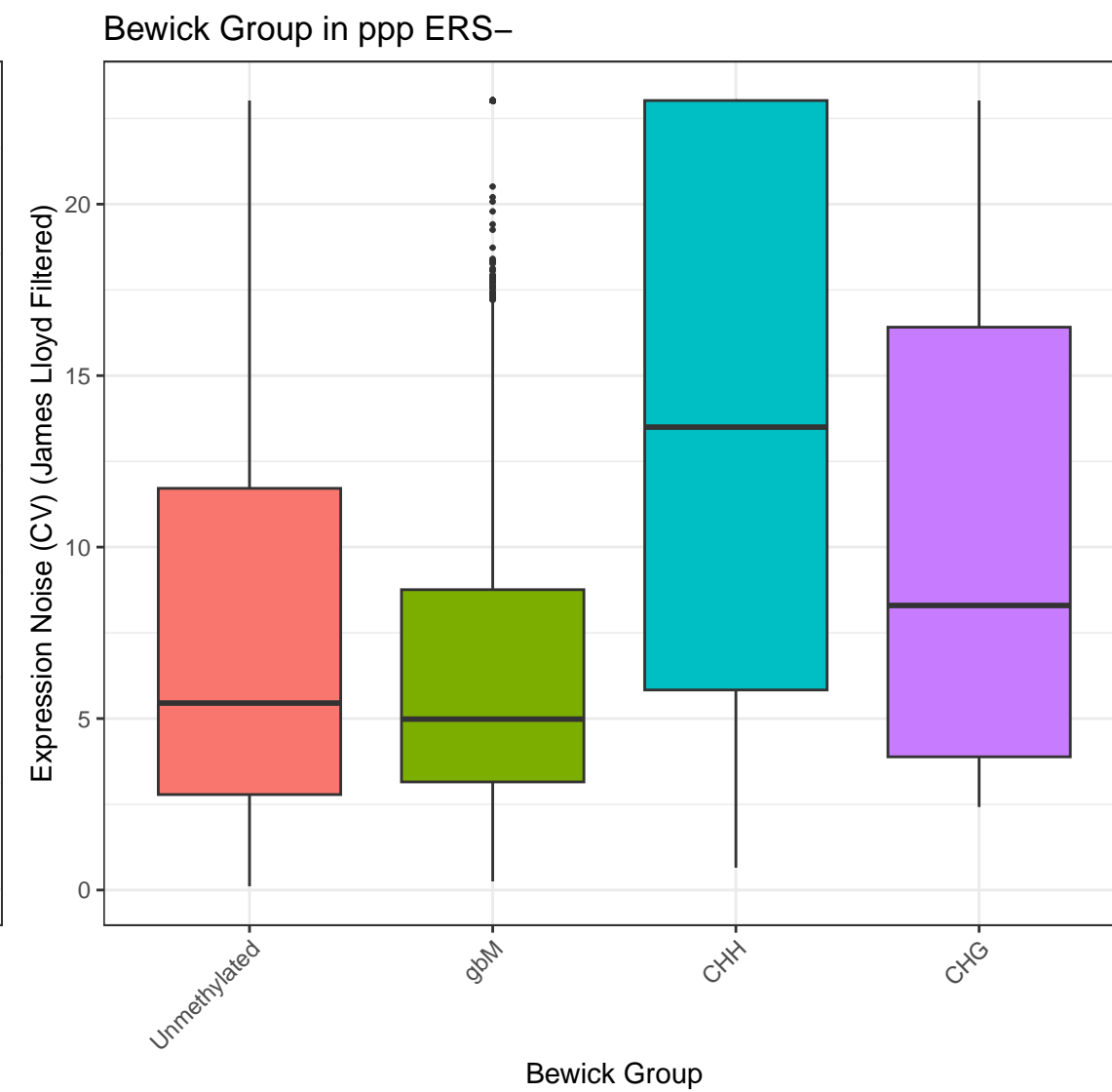
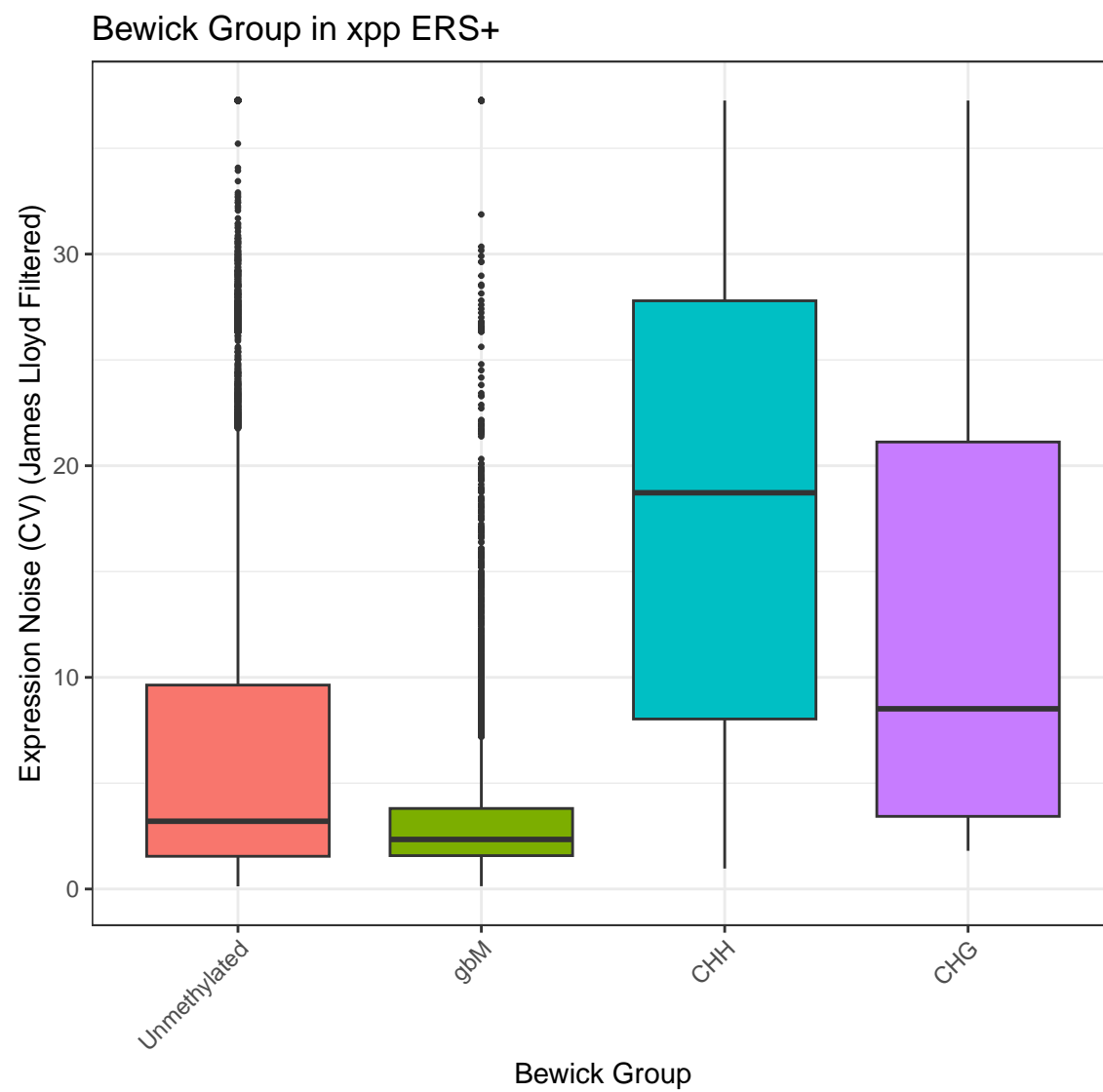
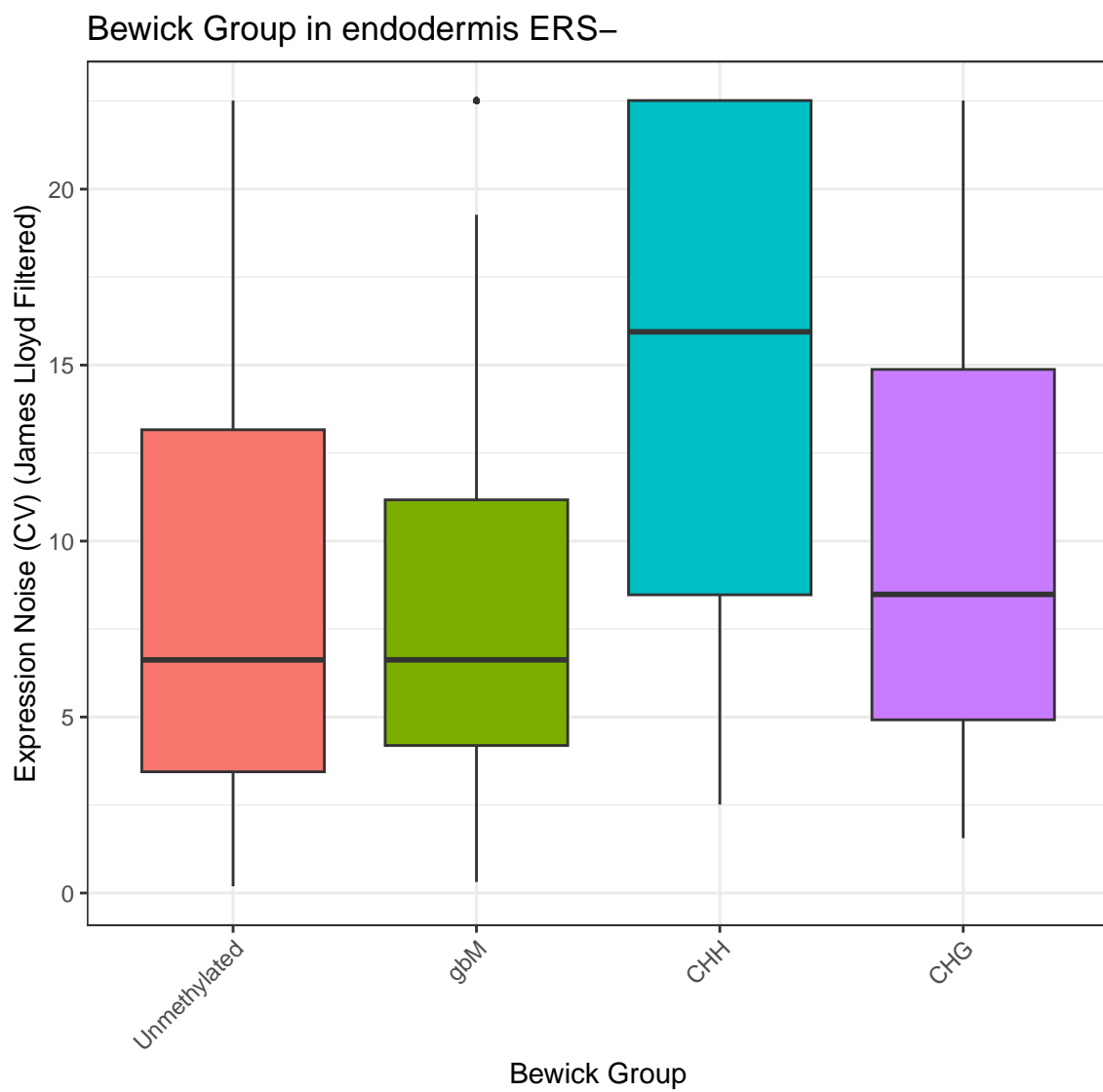
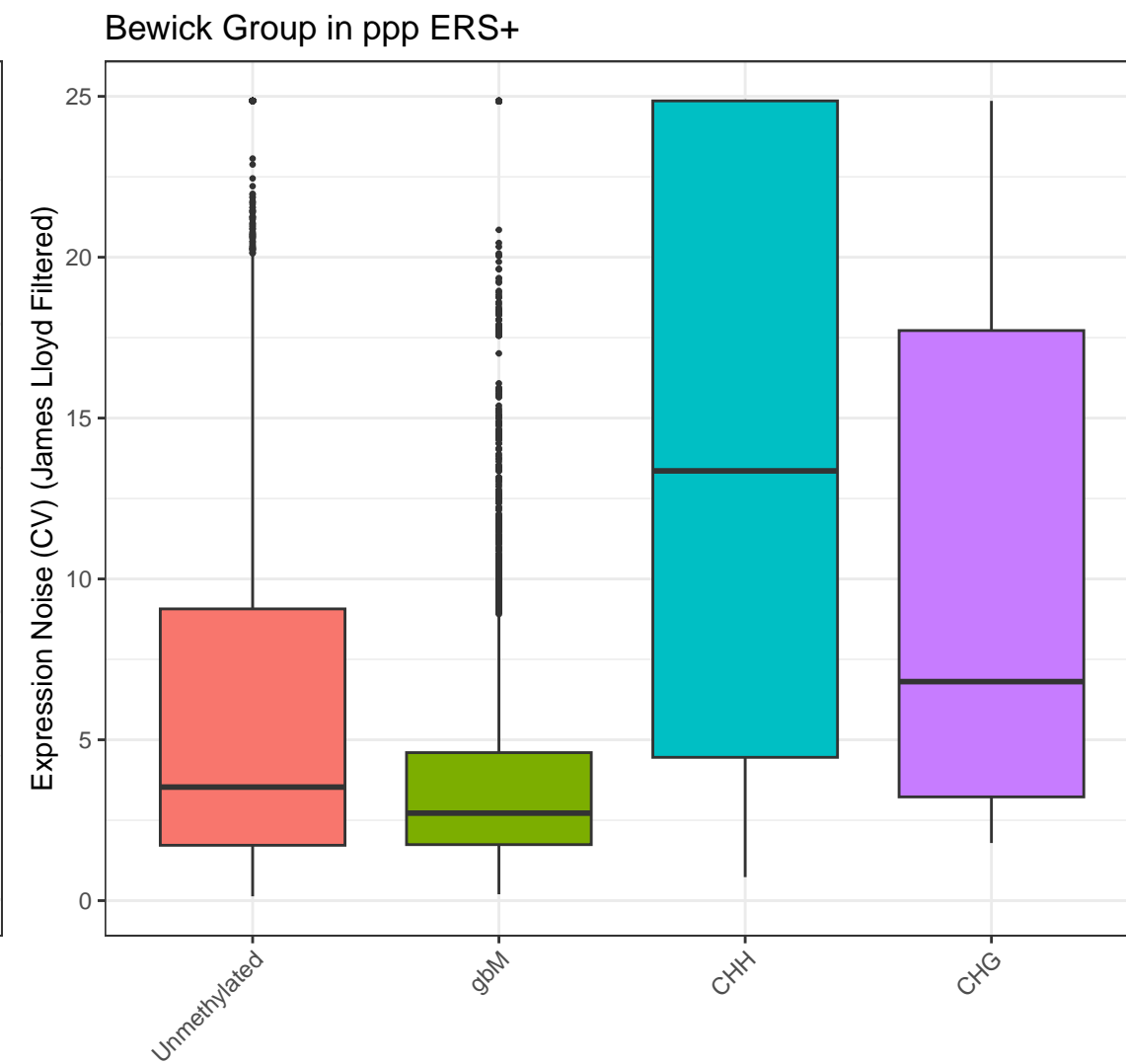
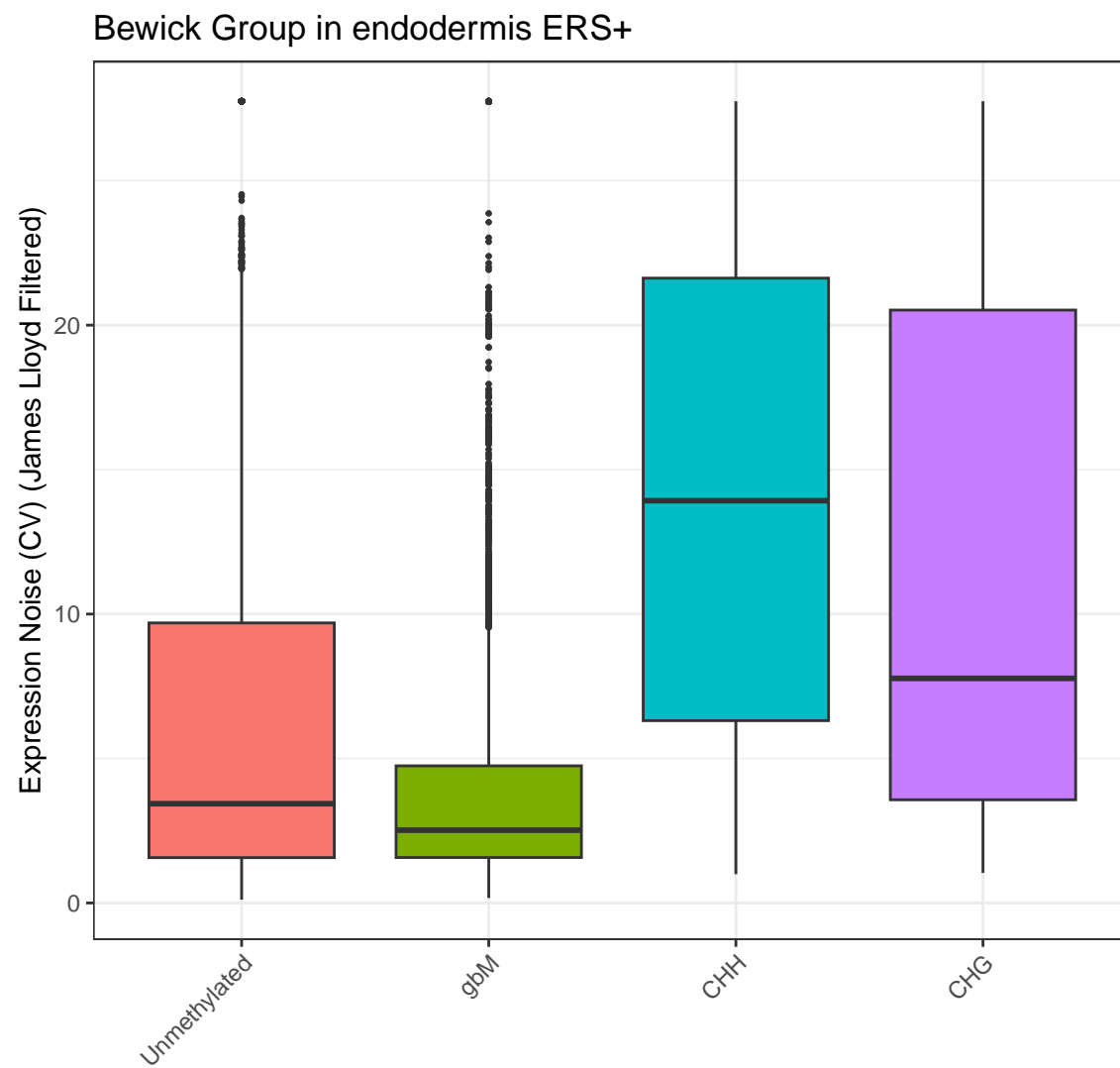
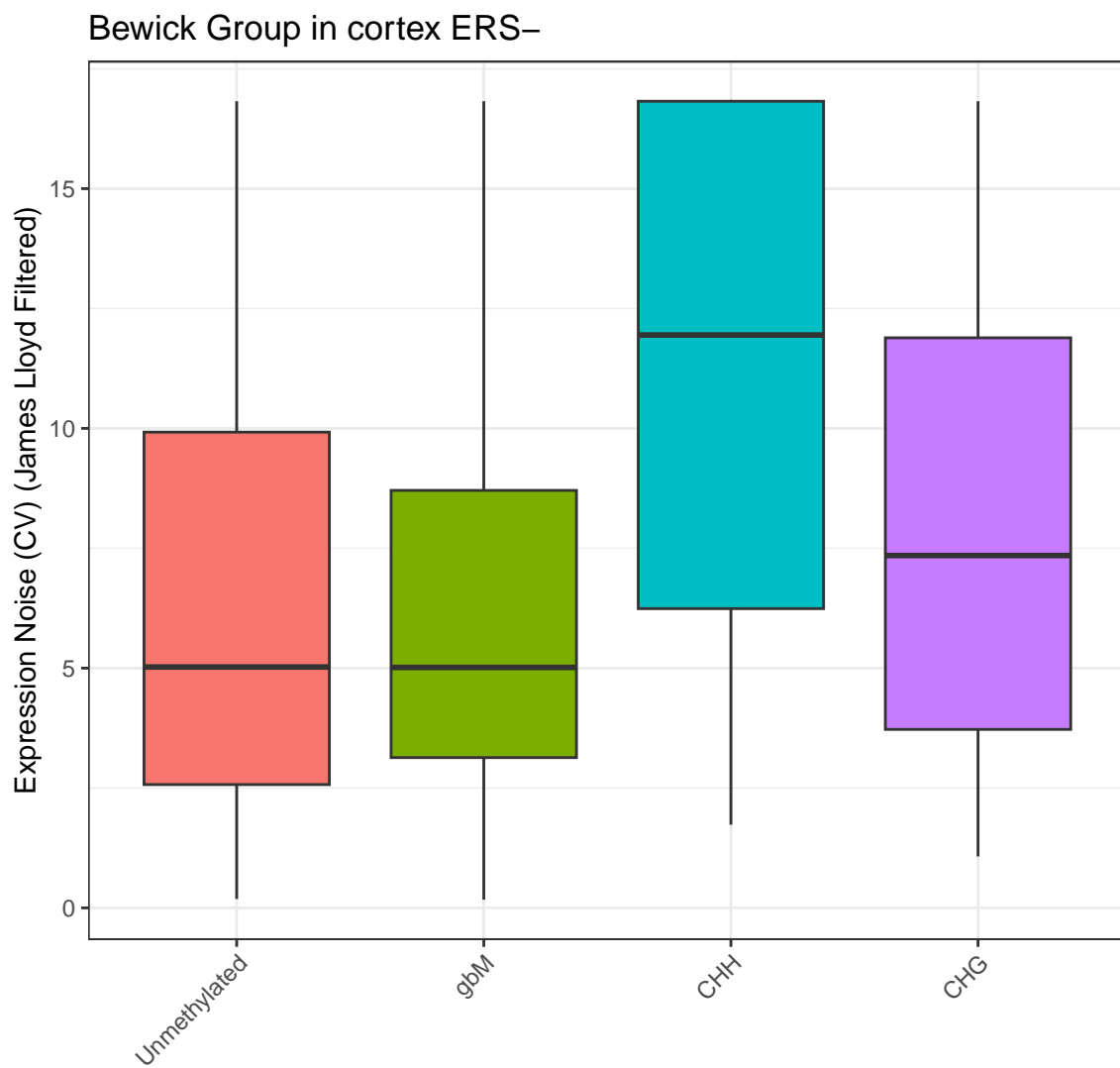


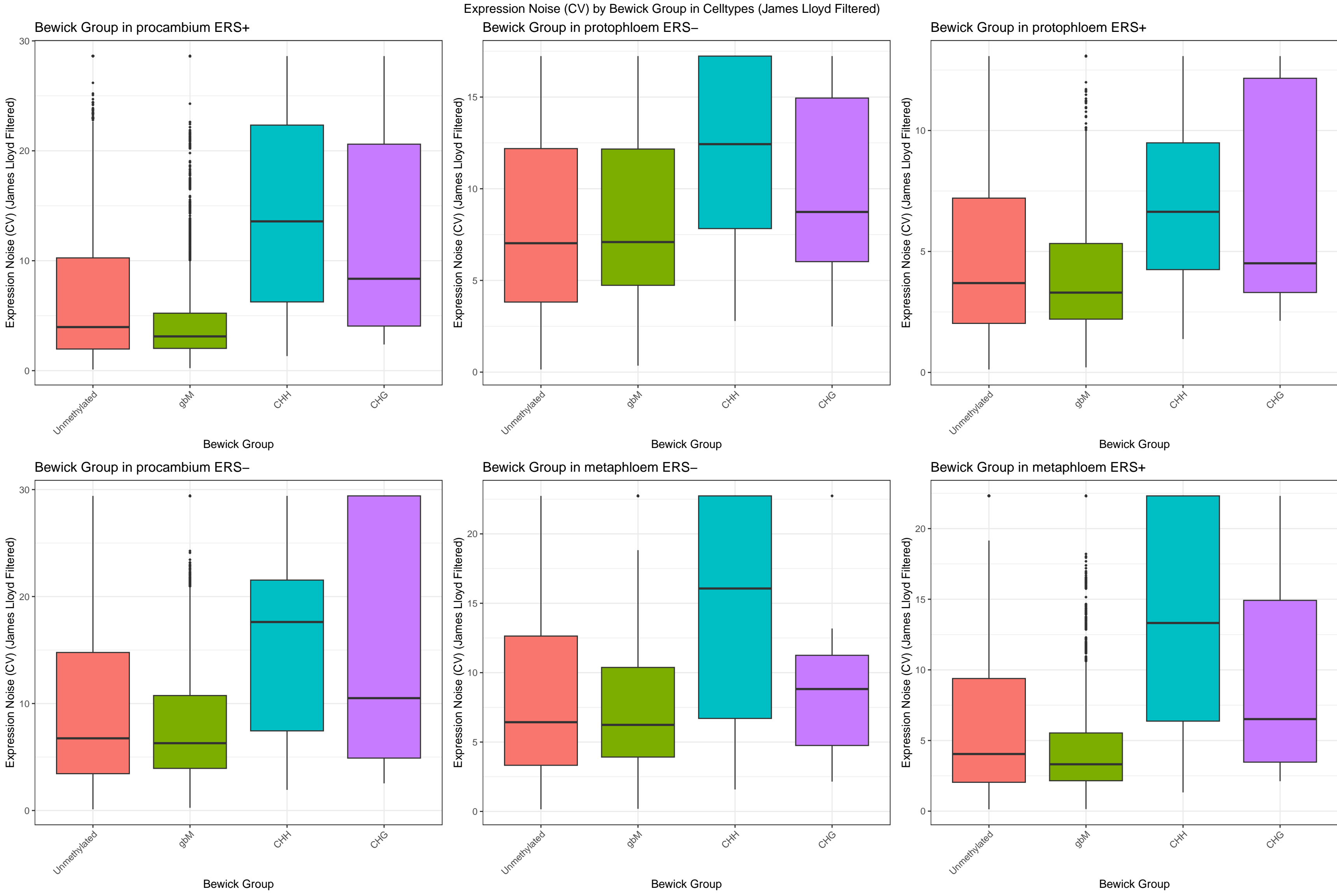
Expression Noise (CV) by Bewick Group in Celltypes (James Lloyd Filtered)



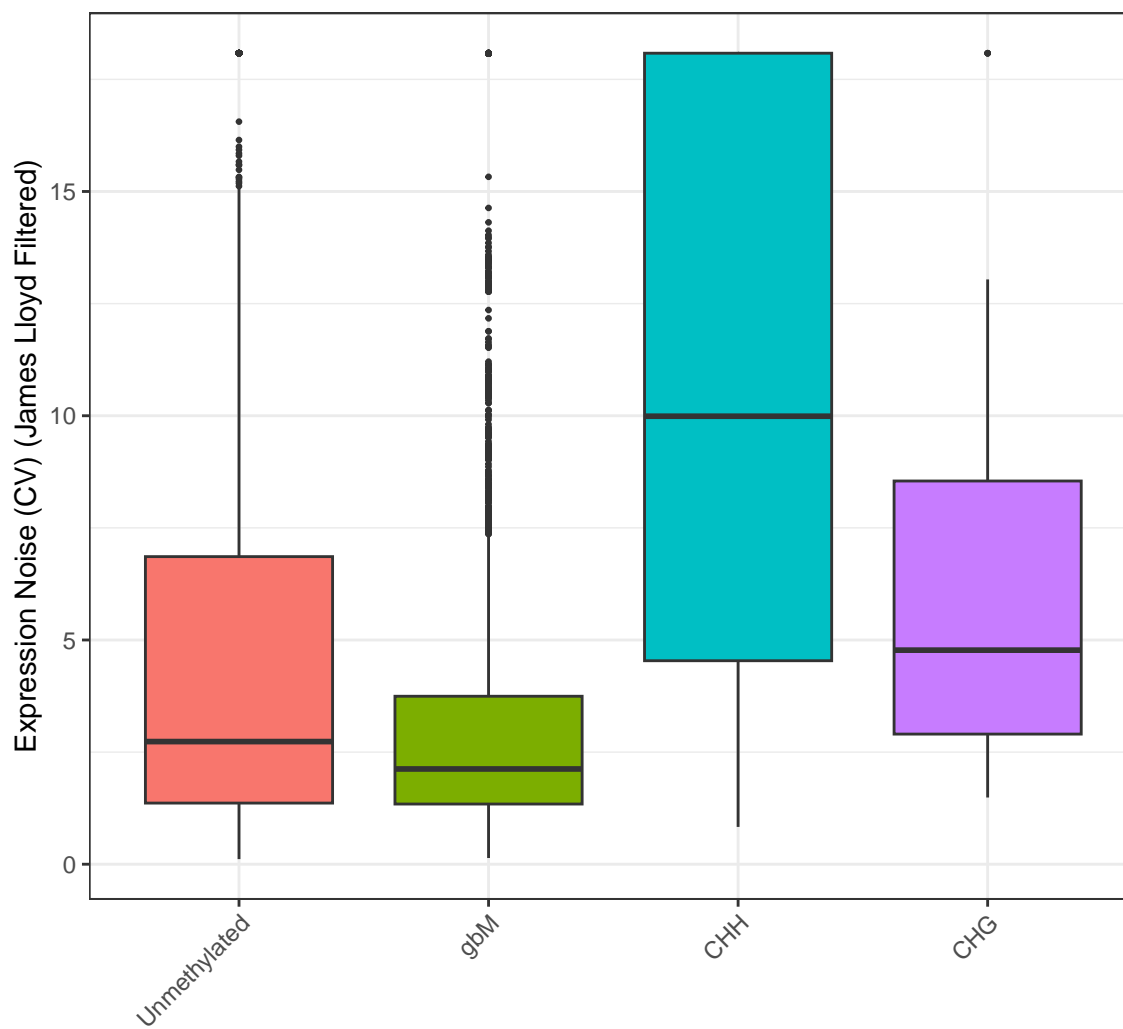


Expression Noise (CV) by Bewick Group in Celltypes (James Lloyd Filtered)

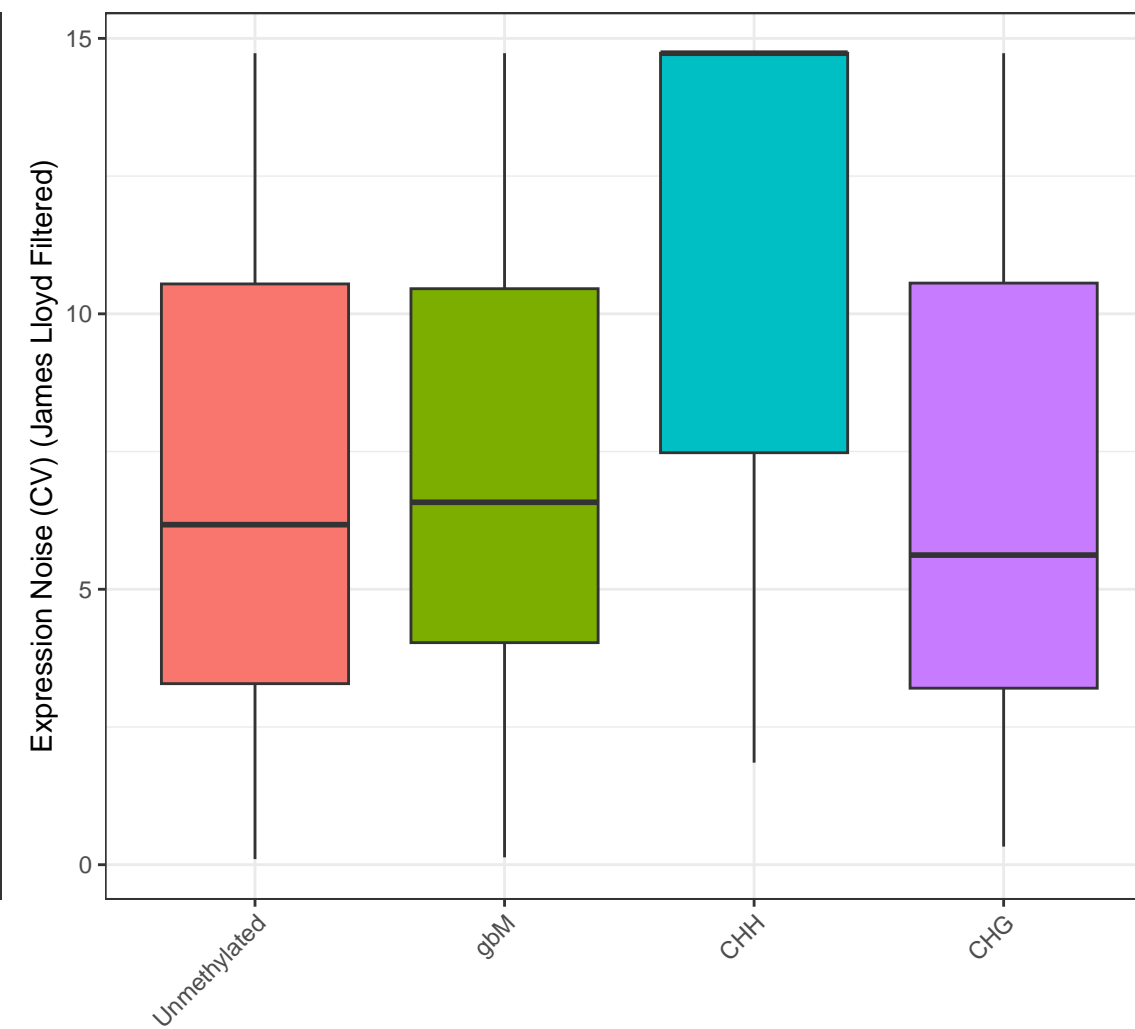




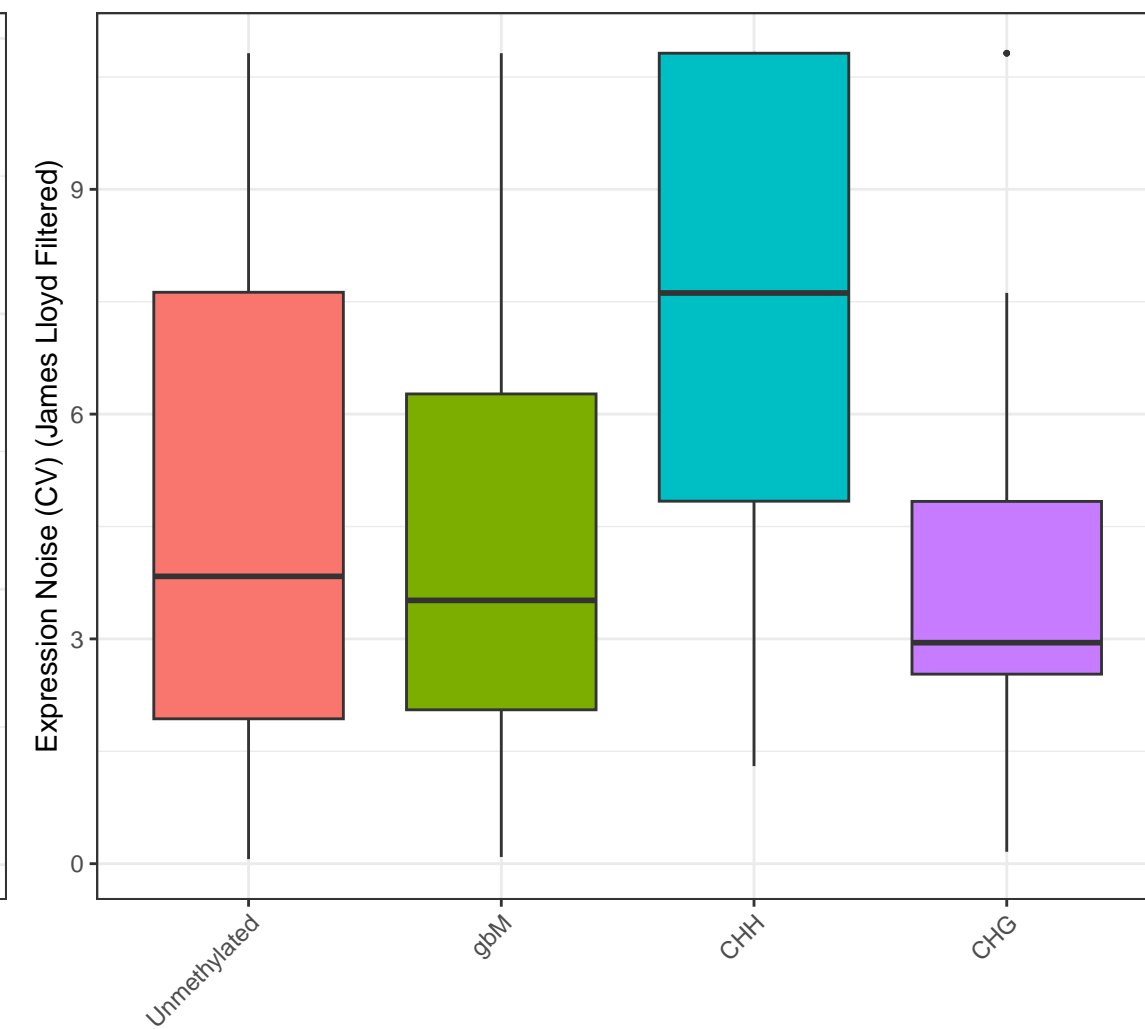
Bewick Group in metaxylem ERS+



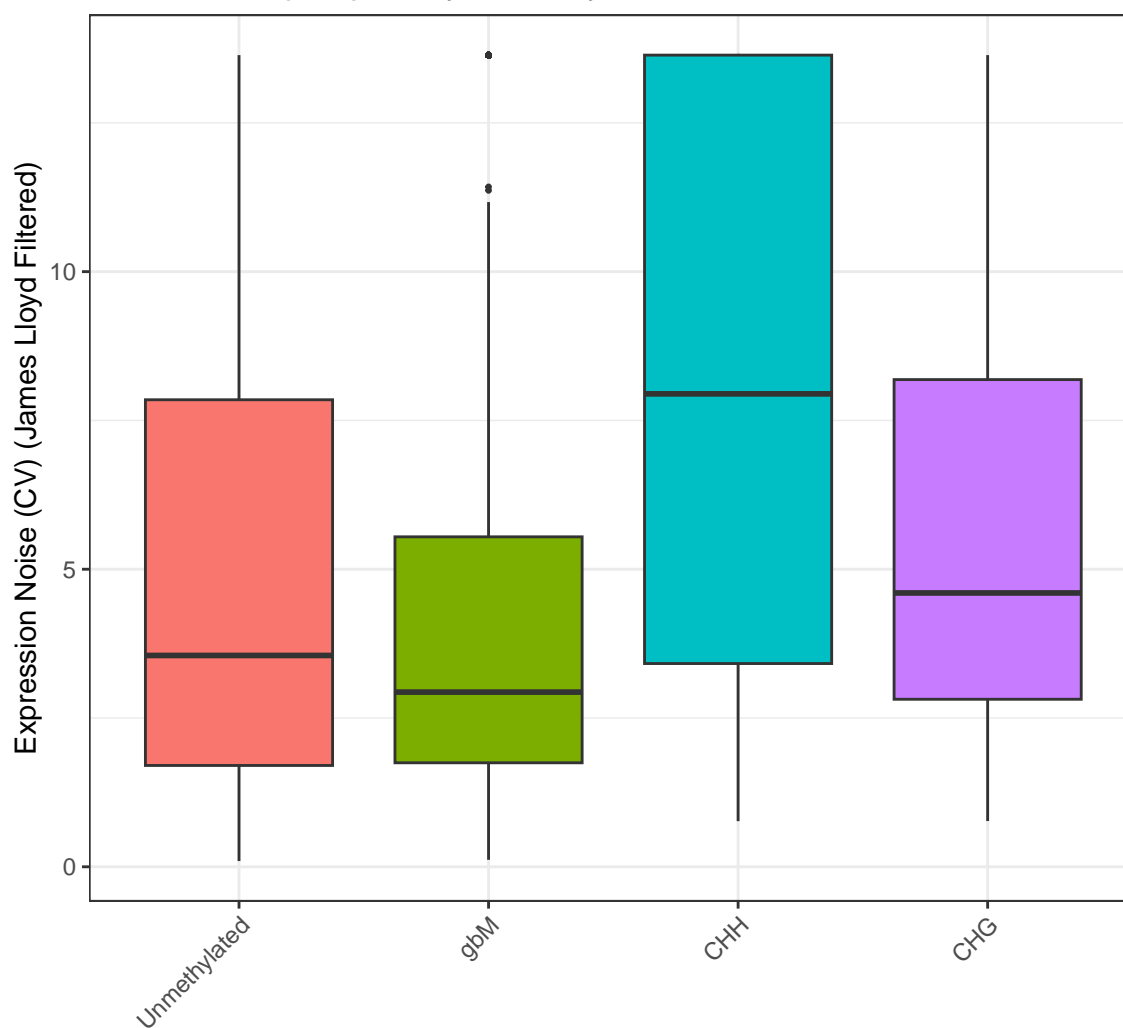
Expression Noise (CV) by Bewick Group in Celltypes (James Lloyd Filtered)
Bewick Group in protoxylem ERS–



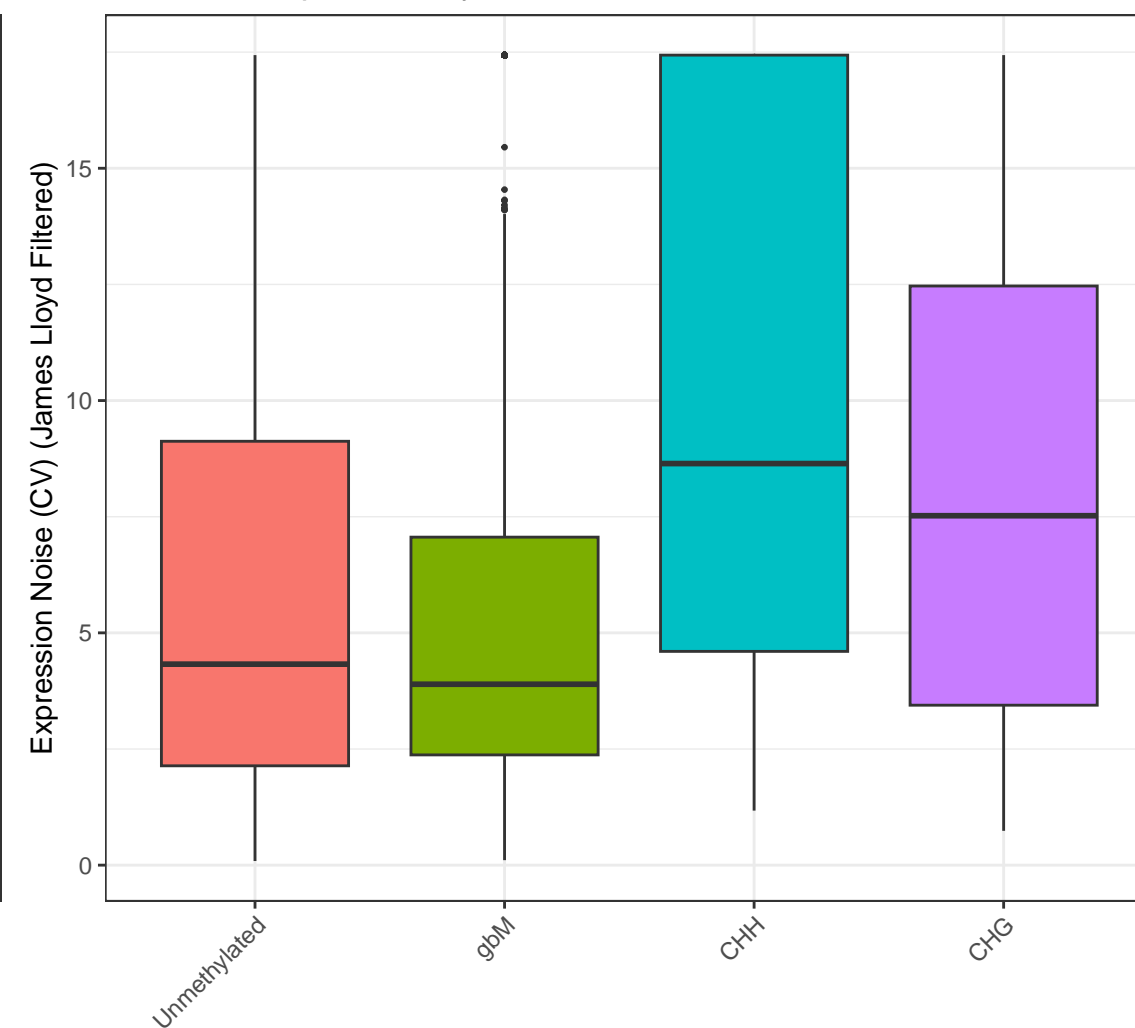
Bewick Group in protoxylem ERS+



Bewick Group in protoxylem early



Bewick Group in metaxylem ERS–



Statistical Comparisons for Expression Noise (CV) by Bewick Group in Celltypes (James Lloyd Filtered)

Context	Filter_Tag	Specific_Context	Group_Type	Comparison	P_value_Formatted
CV Expr by Celltype	James Lloyd Filtered	border cells	bewick_group	Overall (Kruskal–Wallis)	2.3015e−05
CV Expr by Celltype	James Lloyd Filtered	border cells	bewick_group	gbM vs Unmethylated	6.3590e−03
CV Expr by Celltype	James Lloyd Filtered	border cells	bewick_group	CHH vs Unmethylated	8.6570e−05
CV Expr by Celltype	James Lloyd Filtered	border cells	bewick_group	CHG vs Unmethylated	2.8572e−01
CV Expr by Celltype	James Lloyd Filtered	root cap early	bewick_group	Overall (Kruskal–Wallis)	3.1980e−77
CV Expr by Celltype	James Lloyd Filtered	root cap early	bewick_group	gbM vs Unmethylated	8.3960e−48
CV Expr by Celltype	James Lloyd Filtered	root cap early	bewick_group	CHH vs Unmethylated	2.6605e−27
CV Expr by Celltype	James Lloyd Filtered	root cap early	bewick_group	CHG vs Unmethylated	3.0504e−03
CV Expr by Celltype	James Lloyd Filtered	root cap tip	bewick_group	Overall (Kruskal–Wallis)	5.5576e−34
CV Expr by Celltype	James Lloyd Filtered	root cap tip	bewick_group	gbM vs Unmethylated	5.7659e−22
CV Expr by Celltype	James Lloyd Filtered	root cap tip	bewick_group	CHH vs Unmethylated	1.7175e−13
CV Expr by Celltype	James Lloyd Filtered	root cap tip	bewick_group	CHG vs Unmethylated	2.1120e−01
CV Expr by Celltype	James Lloyd Filtered	root cap lateral	bewick_group	Overall (Kruskal–Wallis)	9.5508e−32
CV Expr by Celltype	James Lloyd Filtered	root cap lateral	bewick_group	gbM vs Unmethylated	2.6281e−15
CV Expr by Celltype	James Lloyd Filtered	root cap lateral	bewick_group	CHH vs Unmethylated	3.0097e−17
CV Expr by Celltype	James Lloyd Filtered	root cap lateral	bewick_group	CHG vs Unmethylated	4.4529e−02
CV Expr by Celltype	James Lloyd Filtered	columella	bewick_group	Overall (Kruskal–Wallis)	5.3558e−28
CV Expr by Celltype	James Lloyd Filtered	columella	bewick_group	gbM vs Unmethylated	2.1598e−17
CV Expr by Celltype	James Lloyd Filtered	columella	bewick_group	CHH vs Unmethylated	1.2910e−11
CV Expr by Celltype	James Lloyd Filtered	columella	bewick_group	CHG vs Unmethylated	6.1939e−02
CV Expr by Celltype	James Lloyd Filtered	non–hair cells	bewick_group	Overall (Kruskal–Wallis)	1.6242e−84
CV Expr by Celltype	James Lloyd Filtered	non–hair cells	bewick_group	gbM vs Unmethylated	9.4021e−53
CV Expr by Celltype	James Lloyd Filtered	non–hair cells	bewick_group	CHH vs Unmethylated	1.4179e−26
CV Expr by Celltype	James Lloyd Filtered	non–hair cells	bewick_group	CHG vs Unmethylated	9.0811e−06
CV Expr by Celltype	James Lloyd Filtered	epidermis early	bewick_group	Overall (Kruskal–Wallis)	3.0725e−128
CV Expr by Celltype	James Lloyd Filtered	epidermis early	bewick_group	gbM vs Unmethylated	3.9862e−89
CV Expr by Celltype	James Lloyd Filtered	epidermis early	bewick_group	CHH vs Unmethylated	5.2456e−33
CV Expr by Celltype	James Lloyd Filtered	epidermis early	bewick_group	CHG vs Unmethylated	6.5536e−06
CV Expr by Celltype	James Lloyd Filtered	hair cells early	bewick_group	Overall (Kruskal–Wallis)	2.8501e−101
CV Expr by Celltype	James Lloyd Filtered	hair cells early	bewick_group	gbM vs Unmethylated	3.2088e−68

Statistical Comparisons for Expression Noise (CV) by Bewick Group in Celltypes (James Lloyd Filtered)

Context	Filter_Tag	Specific_Context	Group_Type	Comparison	P_value_Formatted
CV Expr by Celltype	James Lloyd Filtered	hair cells early	bewick_group	CHH vs Unmethylated	2.9045e-27
CV Expr by Celltype	James Lloyd Filtered	hair cells early	bewick_group	CHG vs Unmethylated	3.0315e-06
CV Expr by Celltype	James Lloyd Filtered	cortex ERS+	bewick_group	Overall (Kruskal-Wallis)	5.0733e-44
CV Expr by Celltype	James Lloyd Filtered	cortex ERS+	bewick_group	gbM vs Unmethylated	3.7182e-28
CV Expr by Celltype	James Lloyd Filtered	cortex ERS+	bewick_group	CHH vs Unmethylated	9.4745e-15
CV Expr by Celltype	James Lloyd Filtered	cortex ERS+	bewick_group	CHG vs Unmethylated	9.8248e-04
CV Expr by Celltype	James Lloyd Filtered	hair cells ERS+	bewick_group	Overall (Kruskal-Wallis)	1.7846e-52
CV Expr by Celltype	James Lloyd Filtered	hair cells ERS+	bewick_group	gbM vs Unmethylated	9.4058e-33
CV Expr by Celltype	James Lloyd Filtered	hair cells ERS+	bewick_group	CHH vs Unmethylated	4.7271e-18
CV Expr by Celltype	James Lloyd Filtered	hair cells ERS+	bewick_group	CHG vs Unmethylated	5.2552e-04
CV Expr by Celltype	James Lloyd Filtered	hair cells ERS-	bewick_group	Overall (Kruskal-Wallis)	7.8820e-11
CV Expr by Celltype	James Lloyd Filtered	hair cells ERS-	bewick_group	gbM vs Unmethylated	1.1434e-04
CV Expr by Celltype	James Lloyd Filtered	hair cells ERS-	bewick_group	CHH vs Unmethylated	2.9116e-08
CV Expr by Celltype	James Lloyd Filtered	hair cells ERS-	bewick_group	CHG vs Unmethylated	3.1695e-01
CV Expr by Celltype	James Lloyd Filtered	xpp ERS-	bewick_group	Overall (Kruskal-Wallis)	7.7691e-22
CV Expr by Celltype	James Lloyd Filtered	xpp ERS-	bewick_group	gbM vs Unmethylated	2.7125e-11
CV Expr by Celltype	James Lloyd Filtered	xpp ERS-	bewick_group	CHH vs Unmethylated	8.7221e-12
CV Expr by Celltype	James Lloyd Filtered	xpp ERS-	bewick_group	CHG vs Unmethylated	7.6912e-02
CV Expr by Celltype	James Lloyd Filtered	cortex ERS-	bewick_group	Overall (Kruskal-Wallis)	2.3649e-09
CV Expr by Celltype	James Lloyd Filtered	cortex ERS-	bewick_group	gbM vs Unmethylated	1.0719e-01
CV Expr by Celltype	James Lloyd Filtered	cortex ERS-	bewick_group	CHH vs Unmethylated	2.1734e-09
CV Expr by Celltype	James Lloyd Filtered	cortex ERS-	bewick_group	CHG vs Unmethylated	8.8830e-02
CV Expr by Celltype	James Lloyd Filtered	endodermis ERS-	bewick_group	Overall (Kruskal-Wallis)	2.7441e-09
CV Expr by Celltype	James Lloyd Filtered	endodermis ERS-	bewick_group	gbM vs Unmethylated	1.5545e-01
CV Expr by Celltype	James Lloyd Filtered	endodermis ERS-	bewick_group	CHH vs Unmethylated	7.5126e-10
CV Expr by Celltype	James Lloyd Filtered	endodermis ERS-	bewick_group	CHG vs Unmethylated	3.5907e-01
CV Expr by Celltype	James Lloyd Filtered	endodermis ERS+	bewick_group	Overall (Kruskal-Wallis)	2.6667e-66
CV Expr by Celltype	James Lloyd Filtered	endodermis ERS+	bewick_group	gbM vs Unmethylated	4.3972e-48
CV Expr by Celltype	James Lloyd Filtered	endodermis ERS+	bewick_group	CHH vs Unmethylated	1.5949e-16
CV Expr by Celltype	James Lloyd Filtered	endodermis ERS+	bewick_group	CHG vs Unmethylated	1.0000e-03

Statistical Comparisons for Expression Noise (CV) by Bewick Group in Celltypes (James Lloyd Filtered)

Context	Filter_Tag	Specific_Context	Group_Type	Comparison	P_value_Formatted
CV Expr by Celltype	James Lloyd Filtered	xpp ERS+	bewick_group	Overall (Kruskal–Wallis)	2.5626e−101
CV Expr by Celltype	James Lloyd Filtered	xpp ERS+	bewick_group	gbM vs Unmethylated	8.5801e−74
CV Expr by Celltype	James Lloyd Filtered	xpp ERS+	bewick_group	CHH vs Unmethylated	5.1398e−24
CV Expr by Celltype	James Lloyd Filtered	xpp ERS+	bewick_group	CHG vs Unmethylated	1.4347e−04
CV Expr by Celltype	James Lloyd Filtered	ppp ERS+	bewick_group	Overall (Kruskal–Wallis)	9.1830e−64
CV Expr by Celltype	James Lloyd Filtered	ppp ERS+	bewick_group	gbM vs Unmethylated	2.9159e−49
CV Expr by Celltype	James Lloyd Filtered	ppp ERS+	bewick_group	CHH vs Unmethylated	1.3794e−13
CV Expr by Celltype	James Lloyd Filtered	ppp ERS+	bewick_group	CHG vs Unmethylated	1.5175e−03
CV Expr by Celltype	James Lloyd Filtered	ppp ERS−	bewick_group	Overall (Kruskal–Wallis)	4.1773e−10
CV Expr by Celltype	James Lloyd Filtered	ppp ERS−	bewick_group	gbM vs Unmethylated	4.8822e−05
CV Expr by Celltype	James Lloyd Filtered	ppp ERS−	bewick_group	CHH vs Unmethylated	9.3106e−07
CV Expr by Celltype	James Lloyd Filtered	ppp ERS−	bewick_group	CHG vs Unmethylated	1.0222e−01
CV Expr by Celltype	James Lloyd Filtered	procambium ERS+	bewick_group	Overall (Kruskal–Wallis)	2.5123e−59
CV Expr by Celltype	James Lloyd Filtered	procambium ERS+	bewick_group	gbM vs Unmethylated	1.5120e−43
CV Expr by Celltype	James Lloyd Filtered	procambium ERS+	bewick_group	CHH vs Unmethylated	1.6623e−14
CV Expr by Celltype	James Lloyd Filtered	procambium ERS+	bewick_group	CHG vs Unmethylated	1.5079e−03
CV Expr by Celltype	James Lloyd Filtered	procambium ERS−	bewick_group	Overall (Kruskal–Wallis)	7.2058e−11
CV Expr by Celltype	James Lloyd Filtered	procambium ERS−	bewick_group	gbM vs Unmethylated	1.1370e−03
CV Expr by Celltype	James Lloyd Filtered	procambium ERS−	bewick_group	CHH vs Unmethylated	2.1404e−08
CV Expr by Celltype	James Lloyd Filtered	procambium ERS−	bewick_group	CHG vs Unmethylated	4.4732e−02
CV Expr by Celltype	James Lloyd Filtered	protophloem ERS−	bewick_group	Overall (Kruskal–Wallis)	2.6795e−09
CV Expr by Celltype	James Lloyd Filtered	protophloem ERS−	bewick_group	gbM vs Unmethylated	5.7792e−06
CV Expr by Celltype	James Lloyd Filtered	protophloem ERS−	bewick_group	CHH vs Unmethylated	1.0636e−05
CV Expr by Celltype	James Lloyd Filtered	protophloem ERS−	bewick_group	CHG vs Unmethylated	7.8494e−02
CV Expr by Celltype	James Lloyd Filtered	metaphloem ERS−	bewick_group	Overall (Kruskal–Wallis)	1.4605e−05
CV Expr by Celltype	James Lloyd Filtered	metaphloem ERS−	bewick_group	gbM vs Unmethylated	8.0772e−01
CV Expr by Celltype	James Lloyd Filtered	metaphloem ERS−	bewick_group	CHH vs Unmethylated	1.7855e−06
CV Expr by Celltype	James Lloyd Filtered	metaphloem ERS−	bewick_group	CHG vs Unmethylated	3.6627e−01
CV Expr by Celltype	James Lloyd Filtered	protophloem ERS+	bewick_group	Overall (Kruskal–Wallis)	3.0712e−12
CV Expr by Celltype	James Lloyd Filtered	protophloem ERS+	bewick_group	gbM vs Unmethylated	6.6350e−09

Statistical Comparisons for Expression Noise (CV) by Bewick Group in Celltypes (James Lloyd Filtered)

Context	Filter_Tag	Specific_Context	Group_Type	Comparison	P_value_Formatted
CV Expr by Celltype	James Lloyd Filtered	protophloem ERS+	bewick_group	CHH vs Unmethylated	1.5532e-04
CV Expr by Celltype	James Lloyd Filtered	protophloem ERS+	bewick_group	CHG vs Unmethylated	2.7683e-02
CV Expr by Celltype	James Lloyd Filtered	metaphloem ERS+	bewick_group	Overall (Kruskal-Wallis)	5.8682e-44
CV Expr by Celltype	James Lloyd Filtered	metaphloem ERS+	bewick_group	gbM vs Unmethylated	6.8577e-31
CV Expr by Celltype	James Lloyd Filtered	metaphloem ERS+	bewick_group	CHH vs Unmethylated	1.5793e-13
CV Expr by Celltype	James Lloyd Filtered	metaphloem ERS+	bewick_group	CHG vs Unmethylated	2.0957e-02
CV Expr by Celltype	James Lloyd Filtered	metaxylem ERS+	bewick_group	Overall (Kruskal-Wallis)	7.7621e-64
CV Expr by Celltype	James Lloyd Filtered	metaxylem ERS+	bewick_group	gbM vs Unmethylated	1.6375e-48
CV Expr by Celltype	James Lloyd Filtered	metaxylem ERS+	bewick_group	CHH vs Unmethylated	1.1268e-14
CV Expr by Celltype	James Lloyd Filtered	metaxylem ERS+	bewick_group	CHG vs Unmethylated	4.7020e-03
CV Expr by Celltype	James Lloyd Filtered	protoxylem early	bewick_group	Overall (Kruskal-Wallis)	2.4684e-22
CV Expr by Celltype	James Lloyd Filtered	protoxylem early	bewick_group	gbM vs Unmethylated	2.3640e-17
CV Expr by Celltype	James Lloyd Filtered	protoxylem early	bewick_group	CHH vs Unmethylated	5.3484e-07
CV Expr by Celltype	James Lloyd Filtered	protoxylem early	bewick_group	CHG vs Unmethylated	1.7273e-01
CV Expr by Celltype	James Lloyd Filtered	protoxylem ERS-	bewick_group	Overall (Kruskal-Wallis)	3.3127e-08
CV Expr by Celltype	James Lloyd Filtered	protoxylem ERS-	bewick_group	gbM vs Unmethylated	1.6040e-05
CV Expr by Celltype	James Lloyd Filtered	protoxylem ERS-	bewick_group	CHH vs Unmethylated	1.4819e-05
CV Expr by Celltype	James Lloyd Filtered	protoxylem ERS-	bewick_group	CHG vs Unmethylated	5.9297e-01
CV Expr by Celltype	James Lloyd Filtered	metaxylem ERS-	bewick_group	Overall (Kruskal-Wallis)	1.1397e-09
CV Expr by Celltype	James Lloyd Filtered	metaxylem ERS-	bewick_group	gbM vs Unmethylated	2.1910e-05
CV Expr by Celltype	James Lloyd Filtered	metaxylem ERS-	bewick_group	CHH vs Unmethylated	1.7870e-05
CV Expr by Celltype	James Lloyd Filtered	metaxylem ERS-	bewick_group	CHG vs Unmethylated	2.4077e-02
CV Expr by Celltype	James Lloyd Filtered	protoxylem ERS+	bewick_group	Overall (Kruskal-Wallis)	3.6285e-06
CV Expr by Celltype	James Lloyd Filtered	protoxylem ERS+	bewick_group	gbM vs Unmethylated	5.5689e-03
CV Expr by Celltype	James Lloyd Filtered	protoxylem ERS+	bewick_group	CHH vs Unmethylated	1.6617e-05
CV Expr by Celltype	James Lloyd Filtered	protoxylem ERS+	bewick_group	CHG vs Unmethylated	7.1017e-01