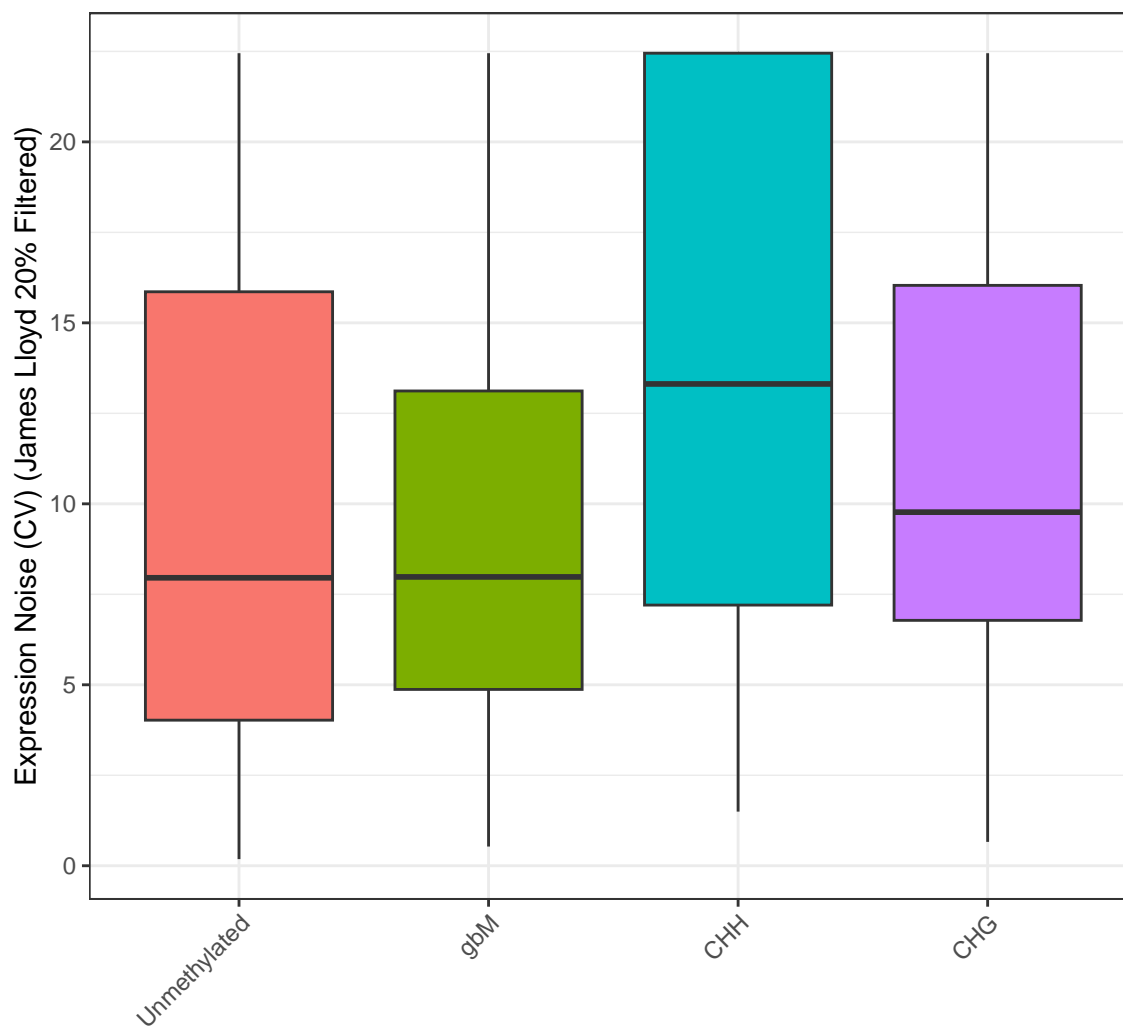
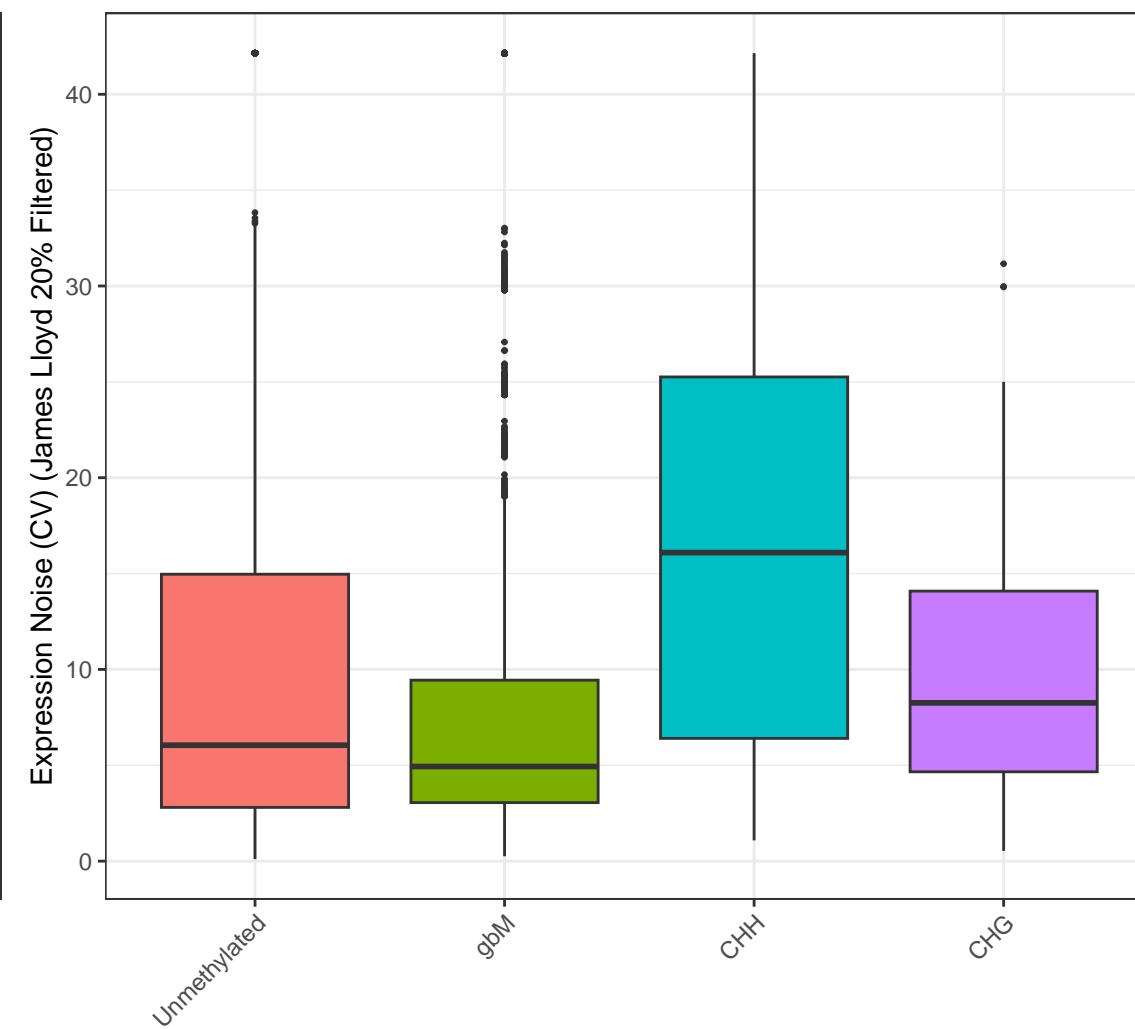


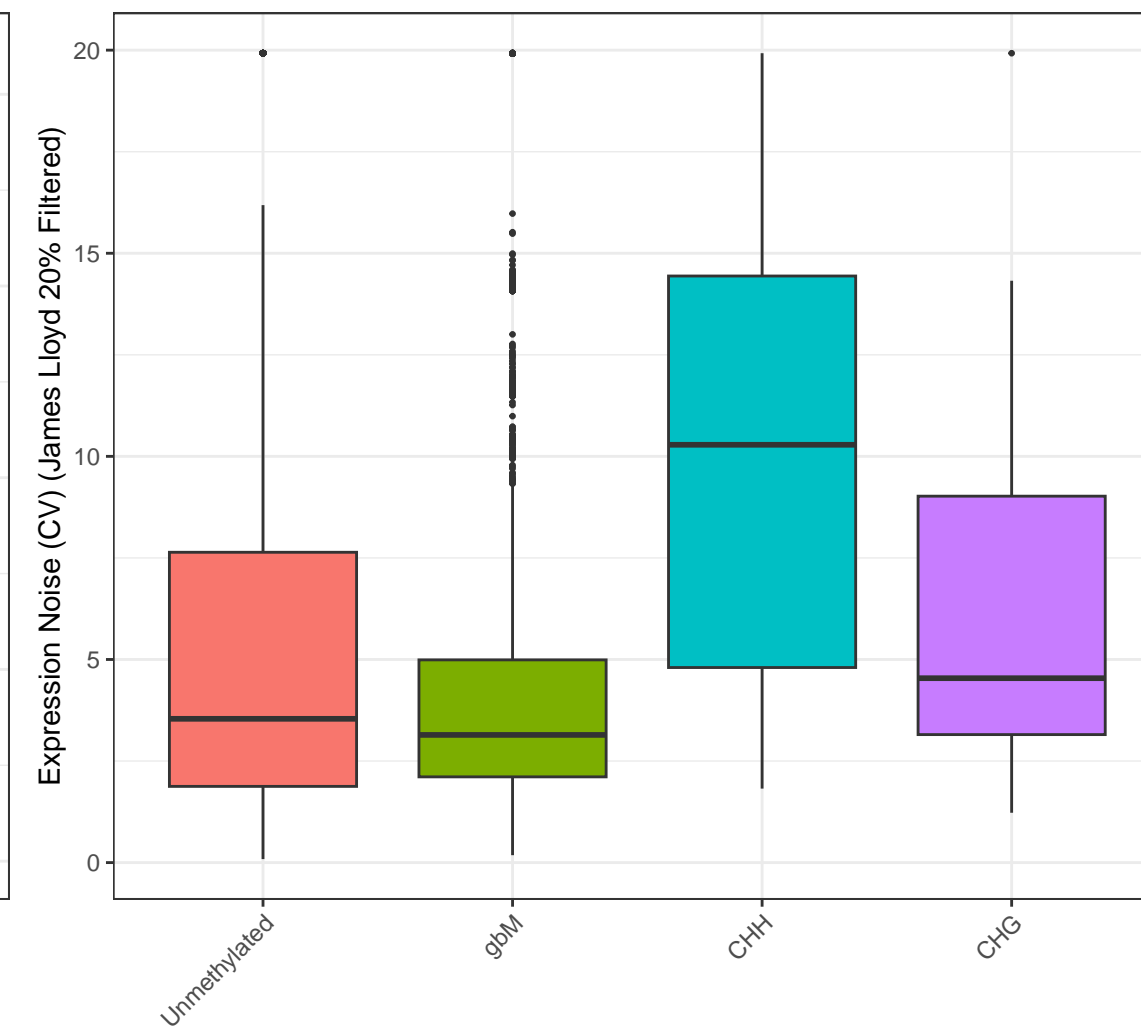
Bewick Group in border cells



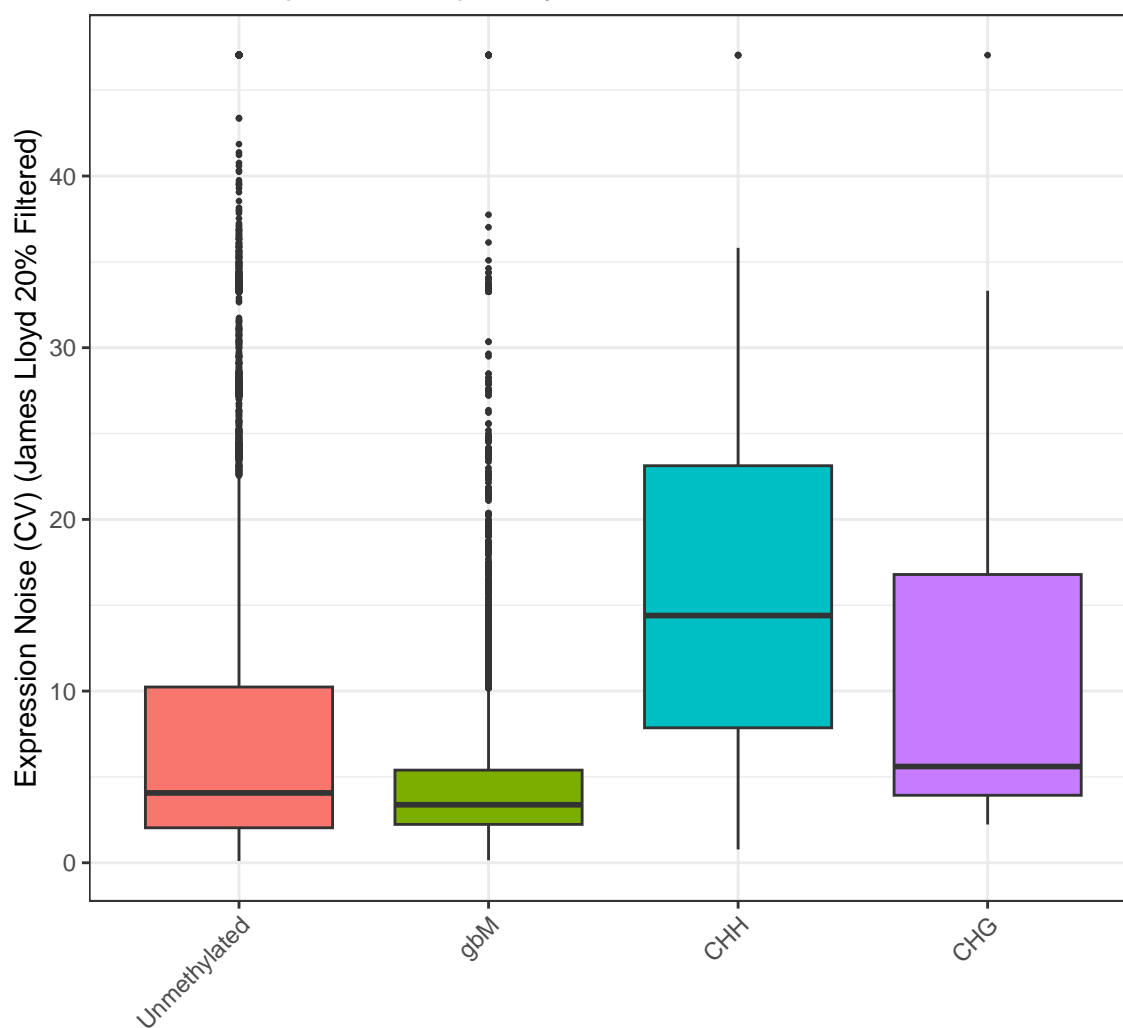
Bewick Group in root cap tip



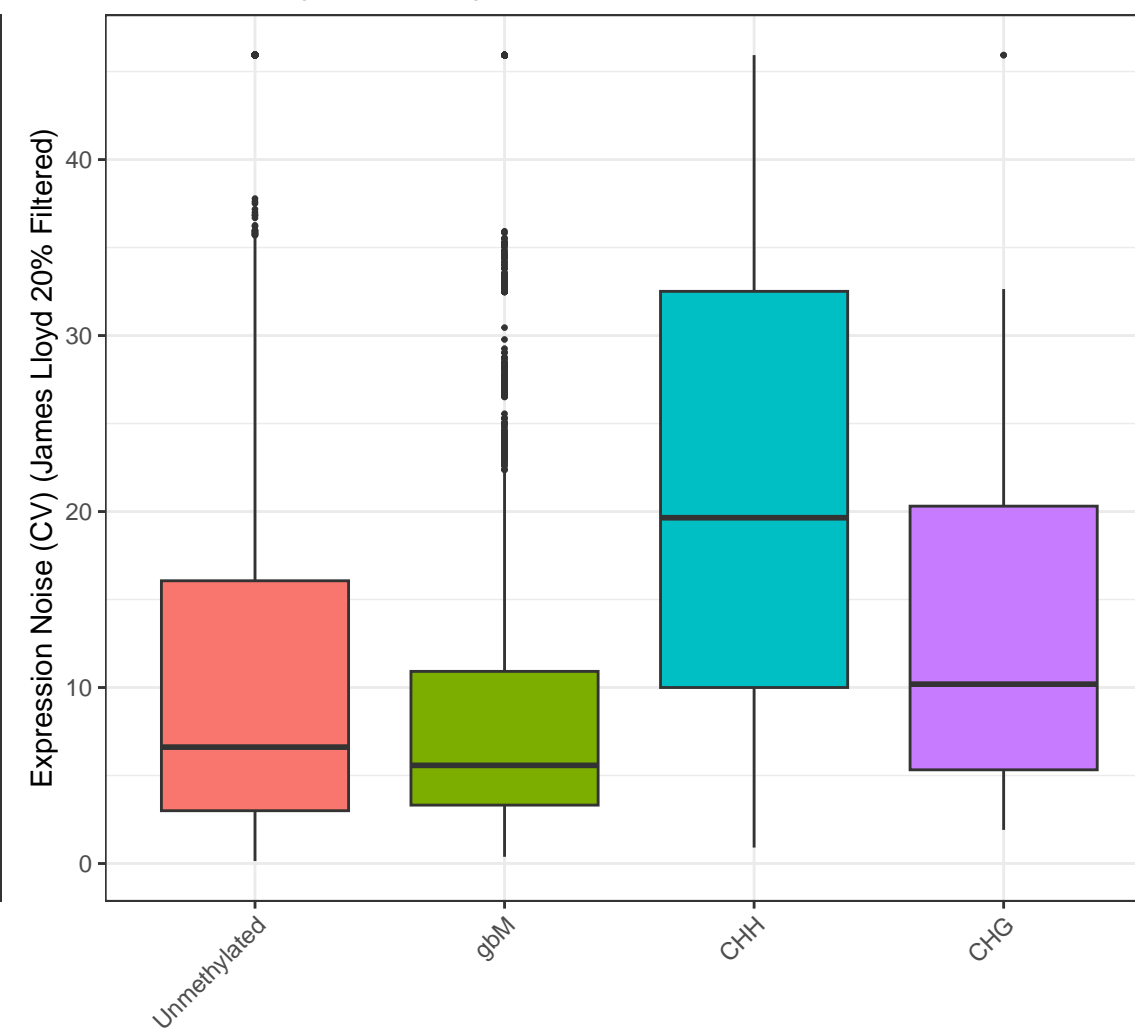
Bewick Group in columella



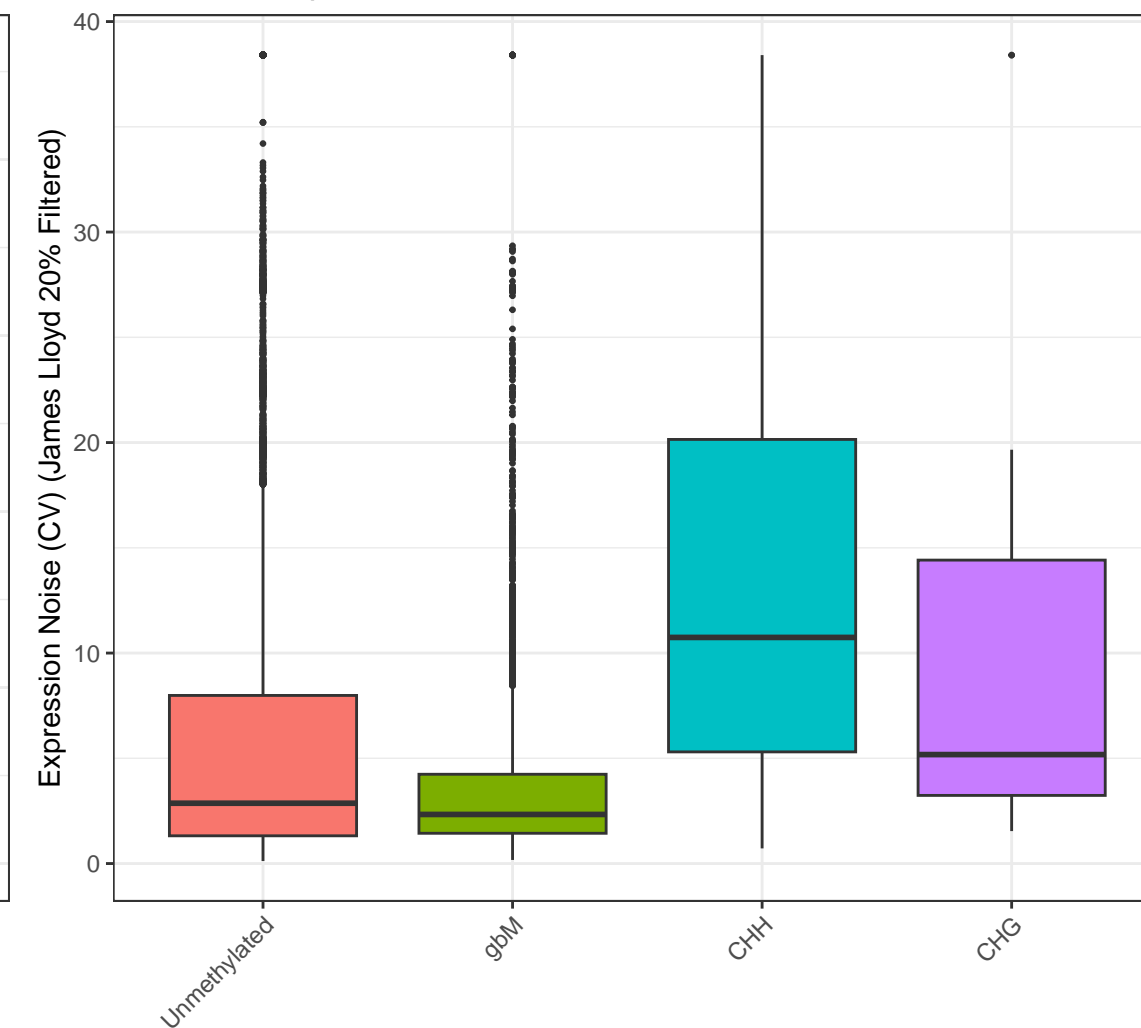
Bewick Group in root cap early



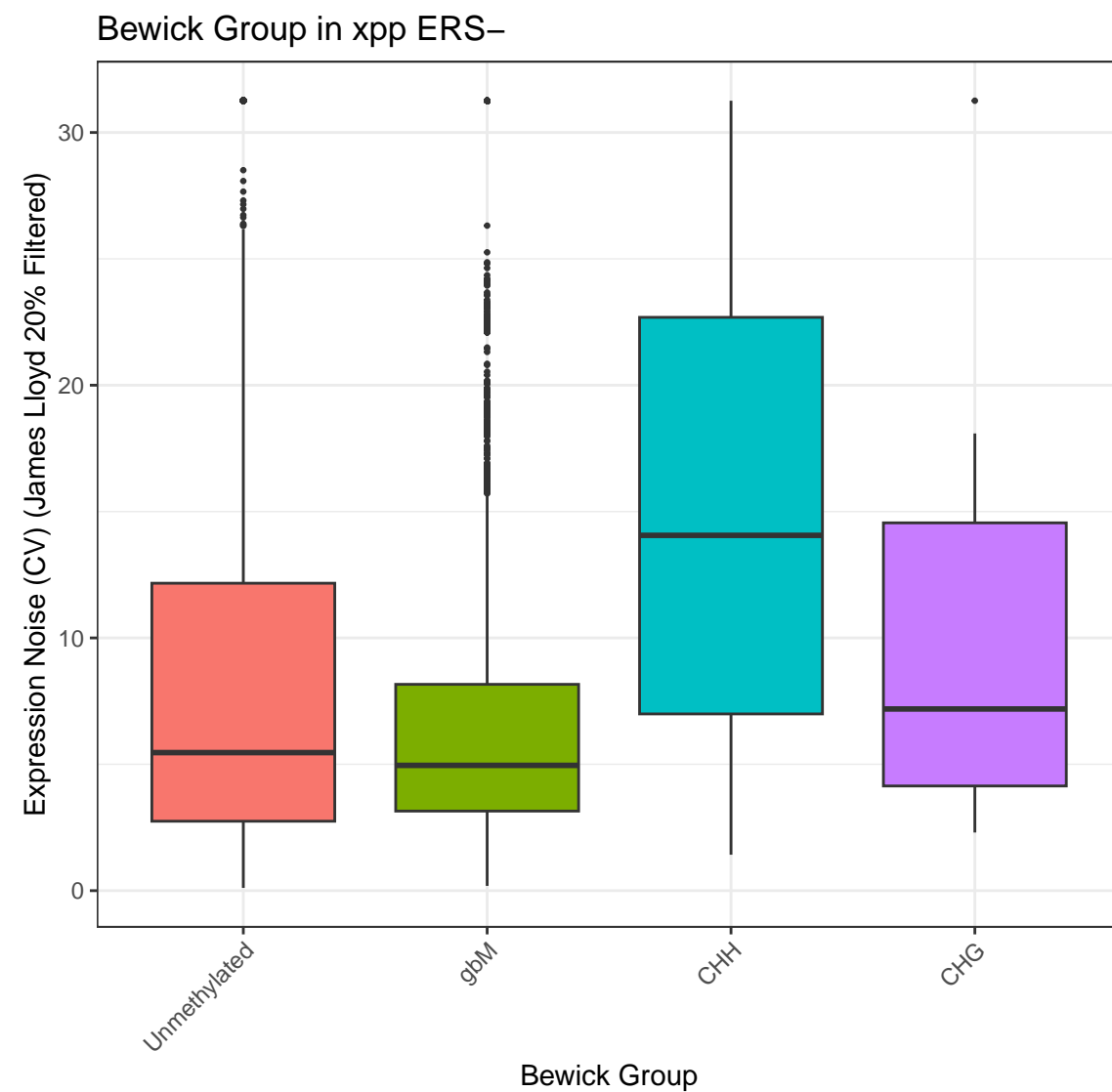
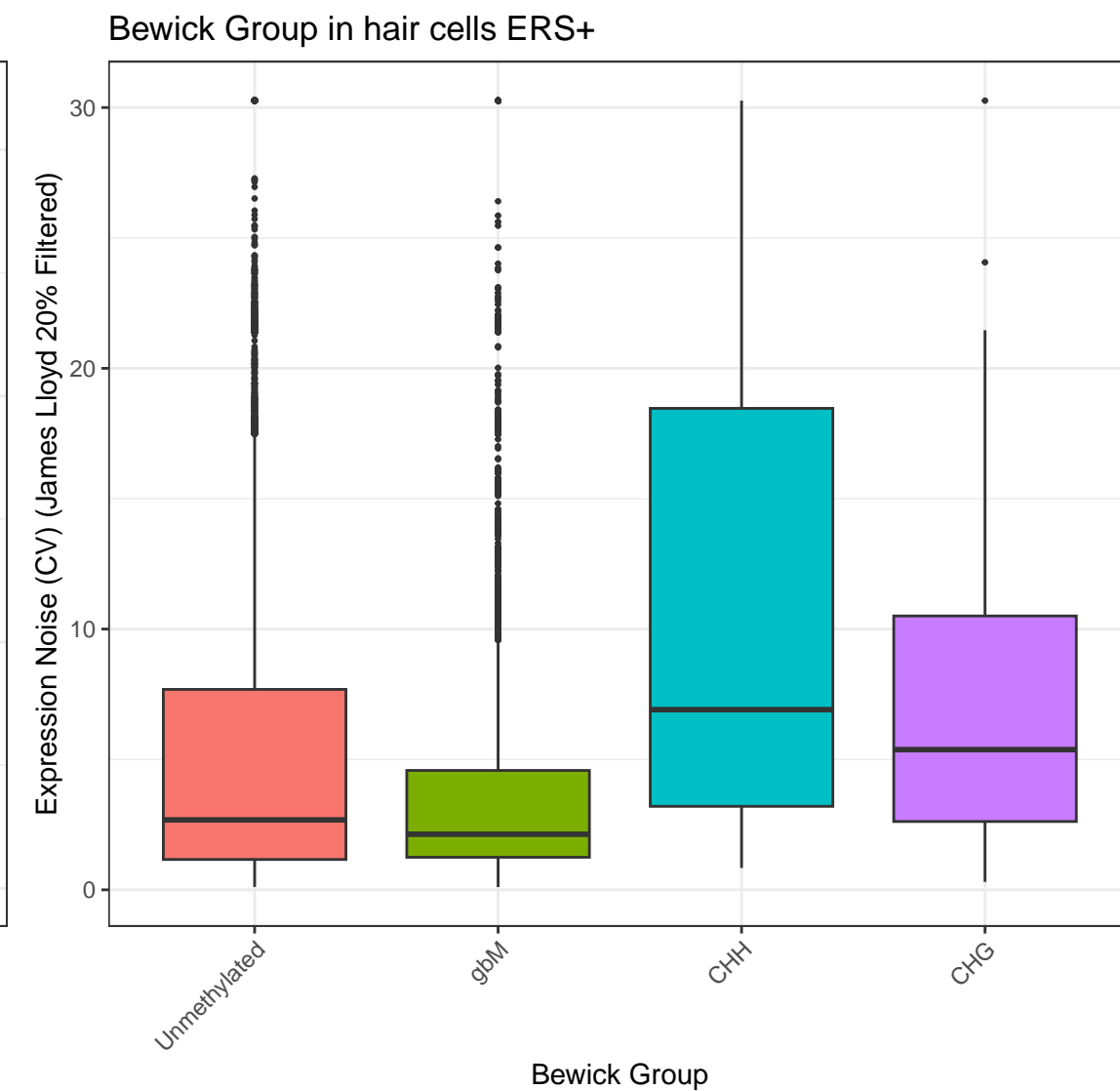
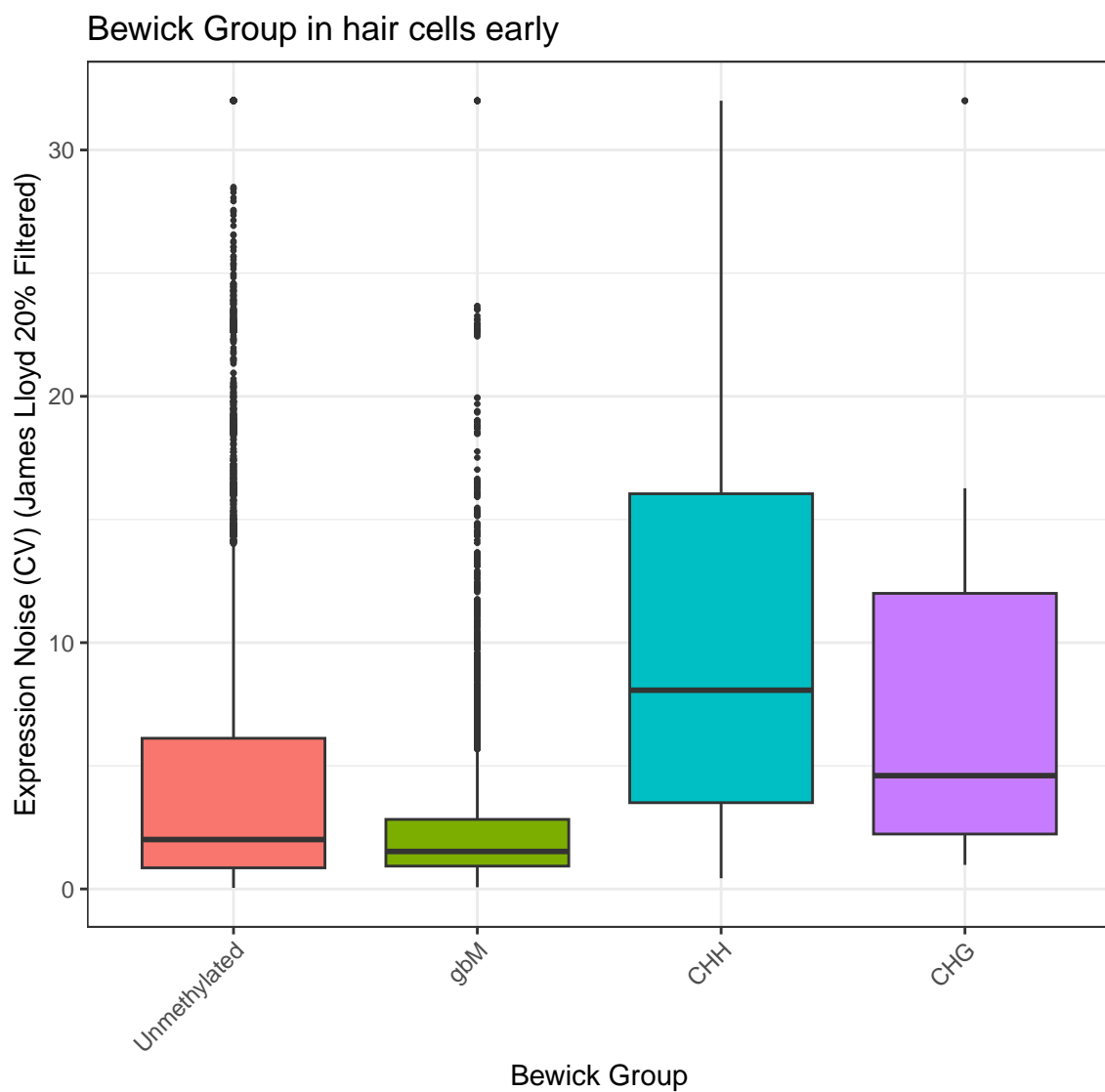
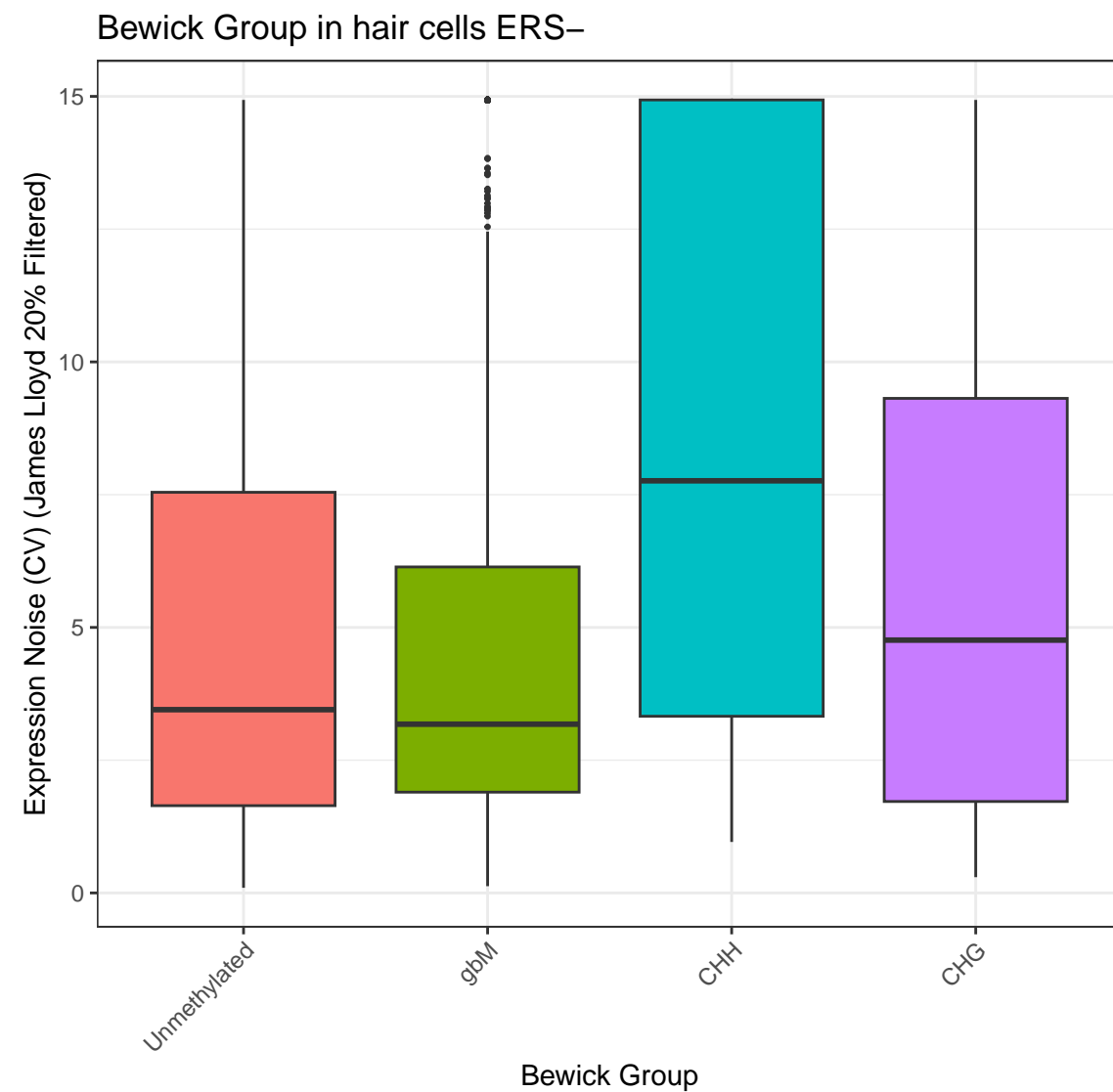
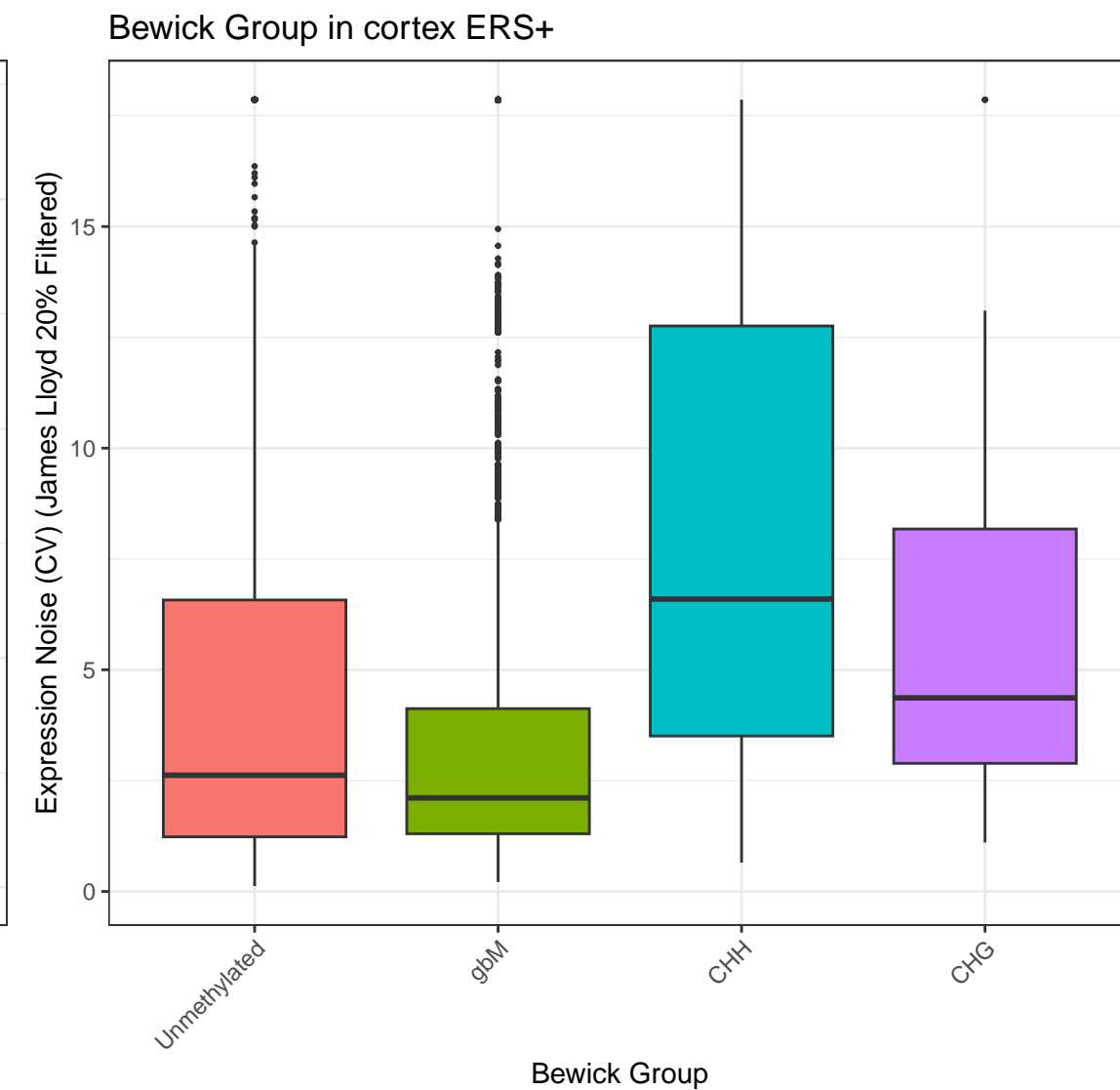
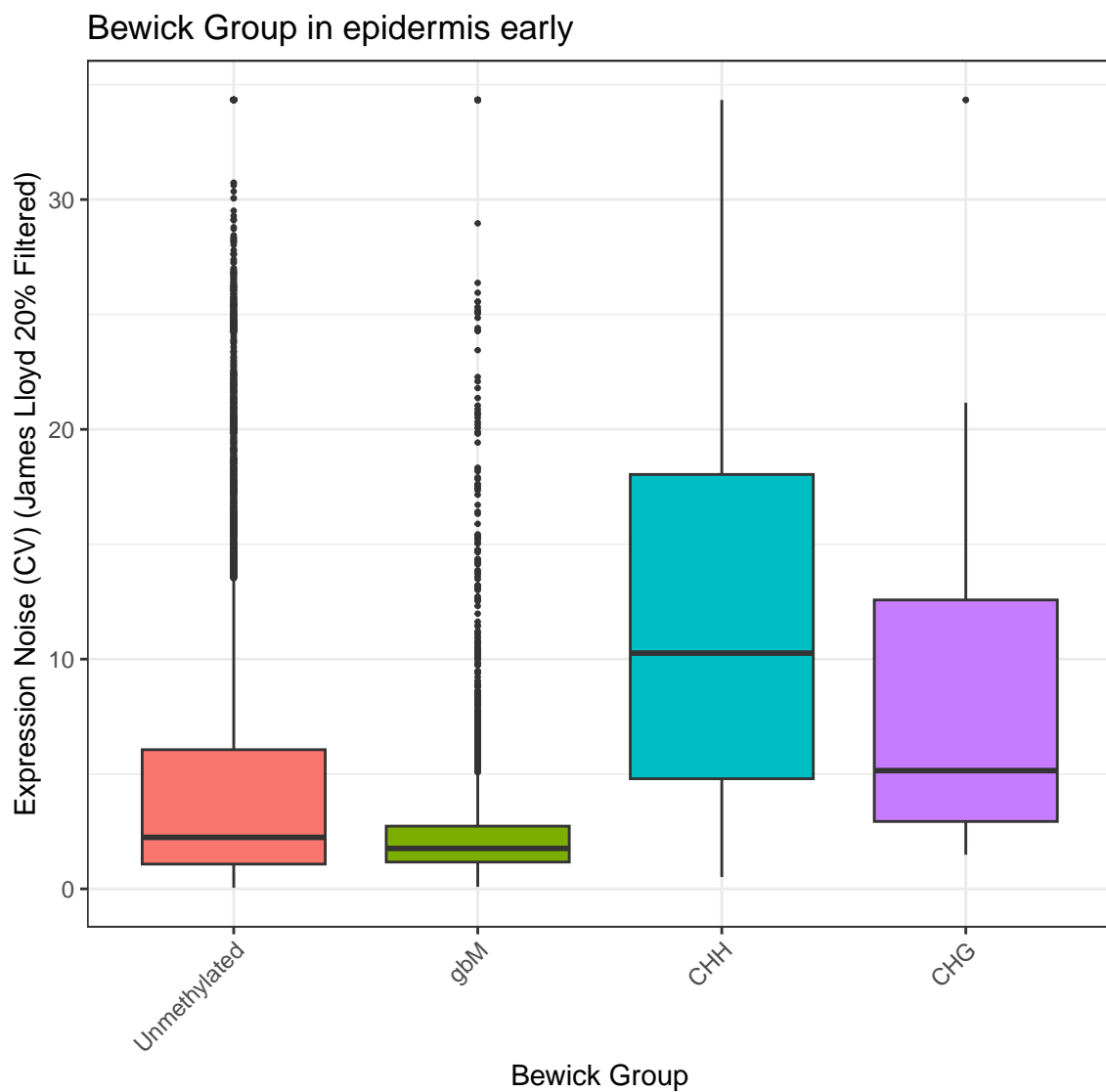
Bewick Group in root cap lateral



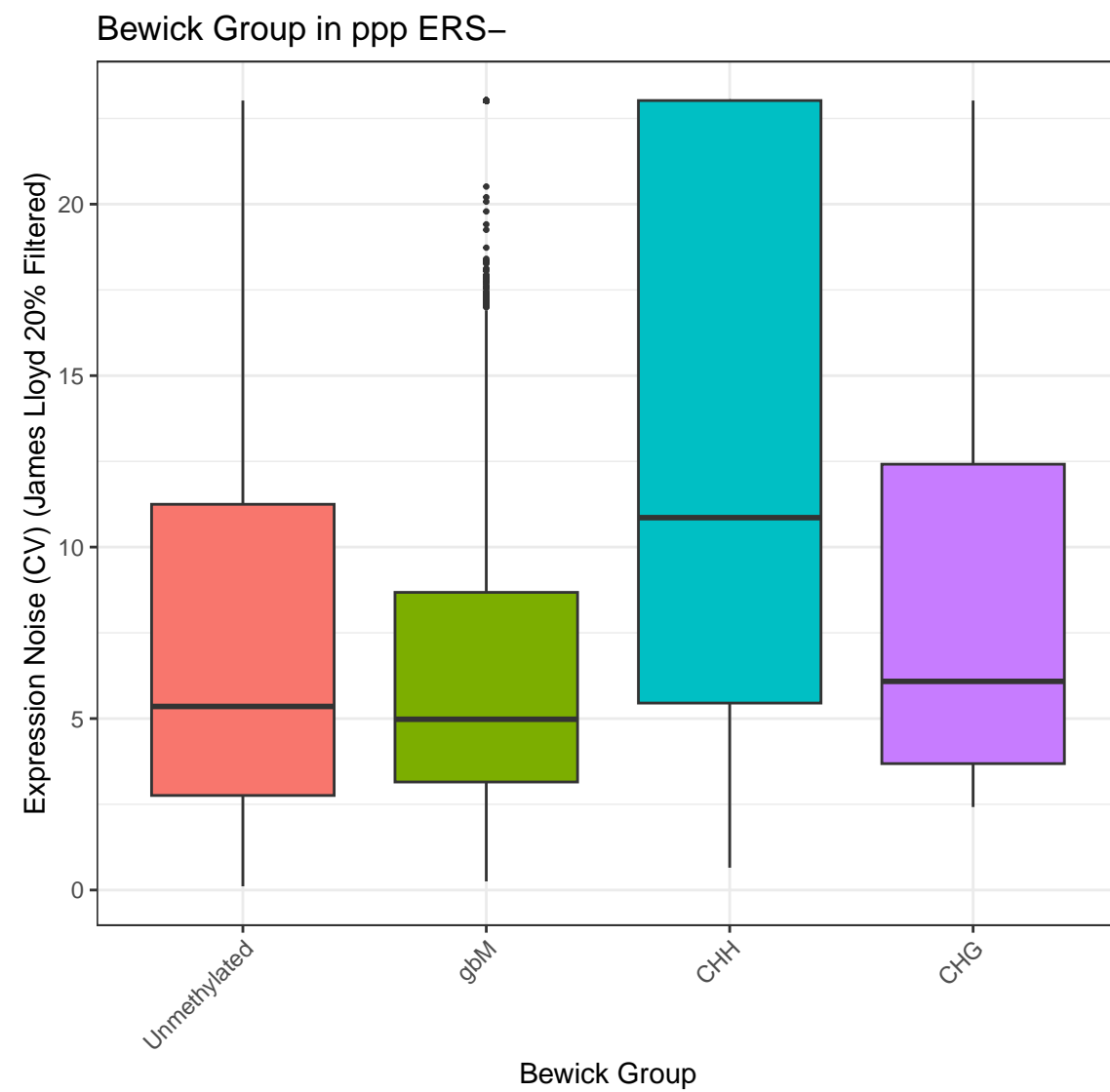
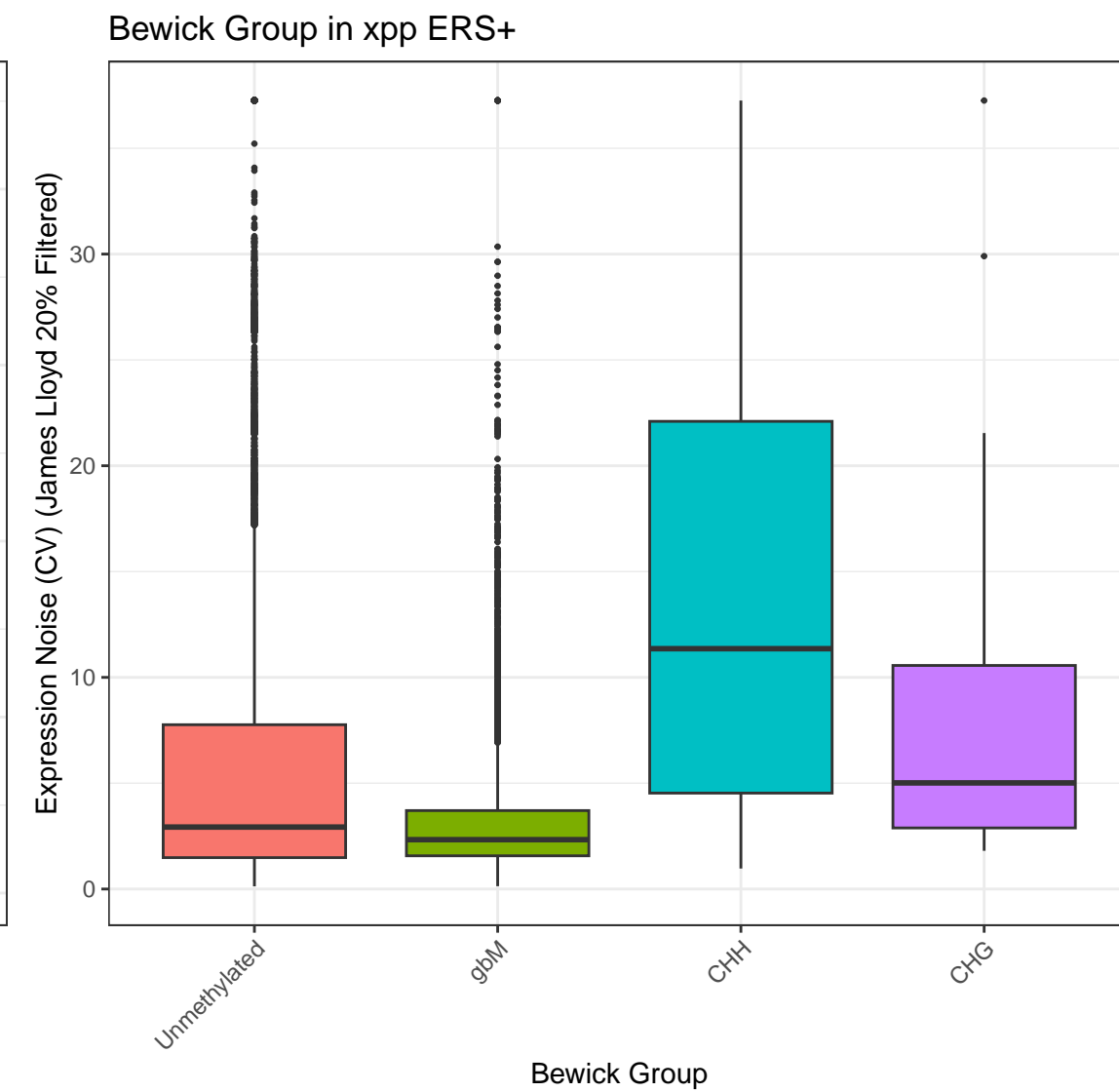
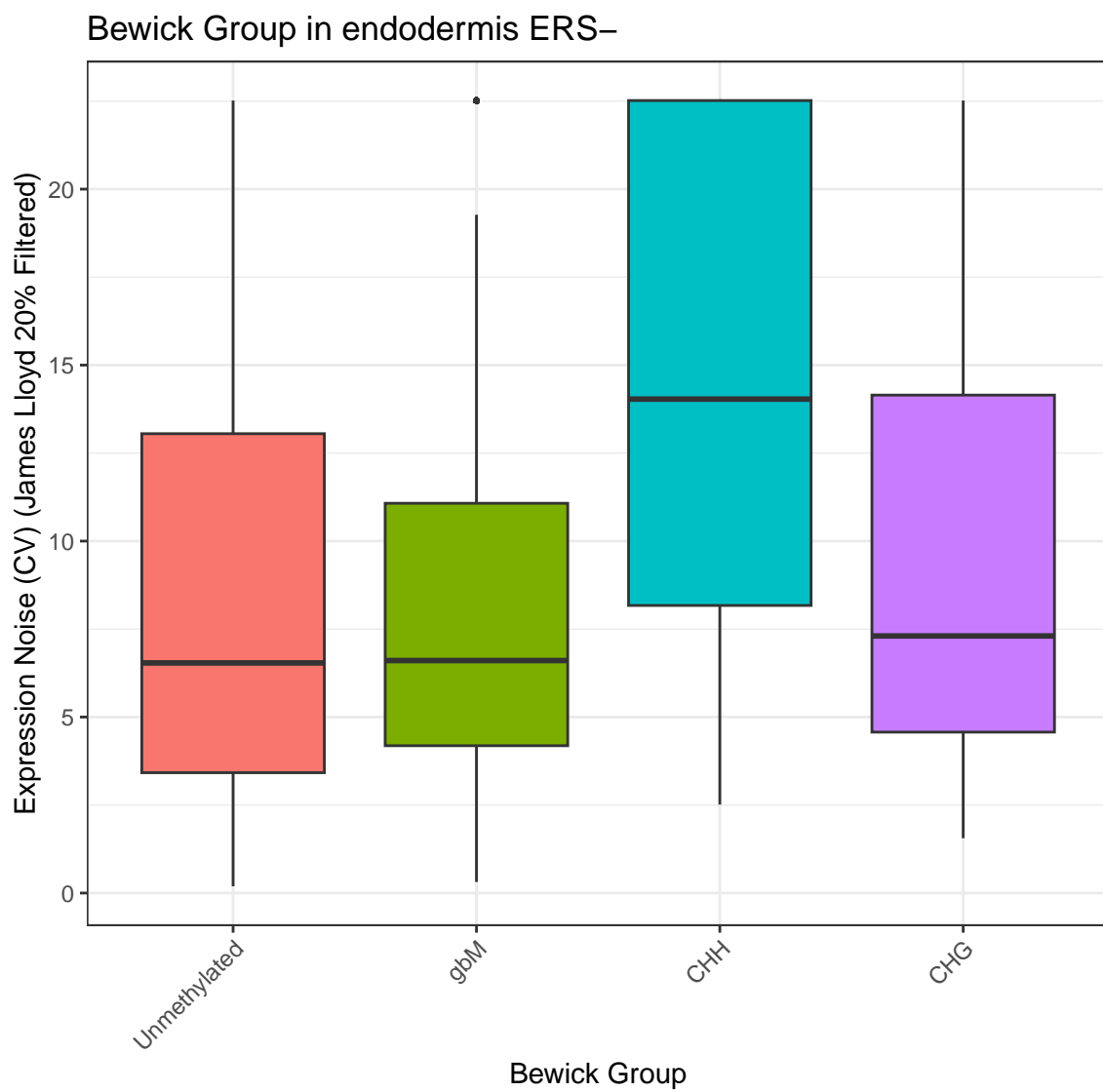
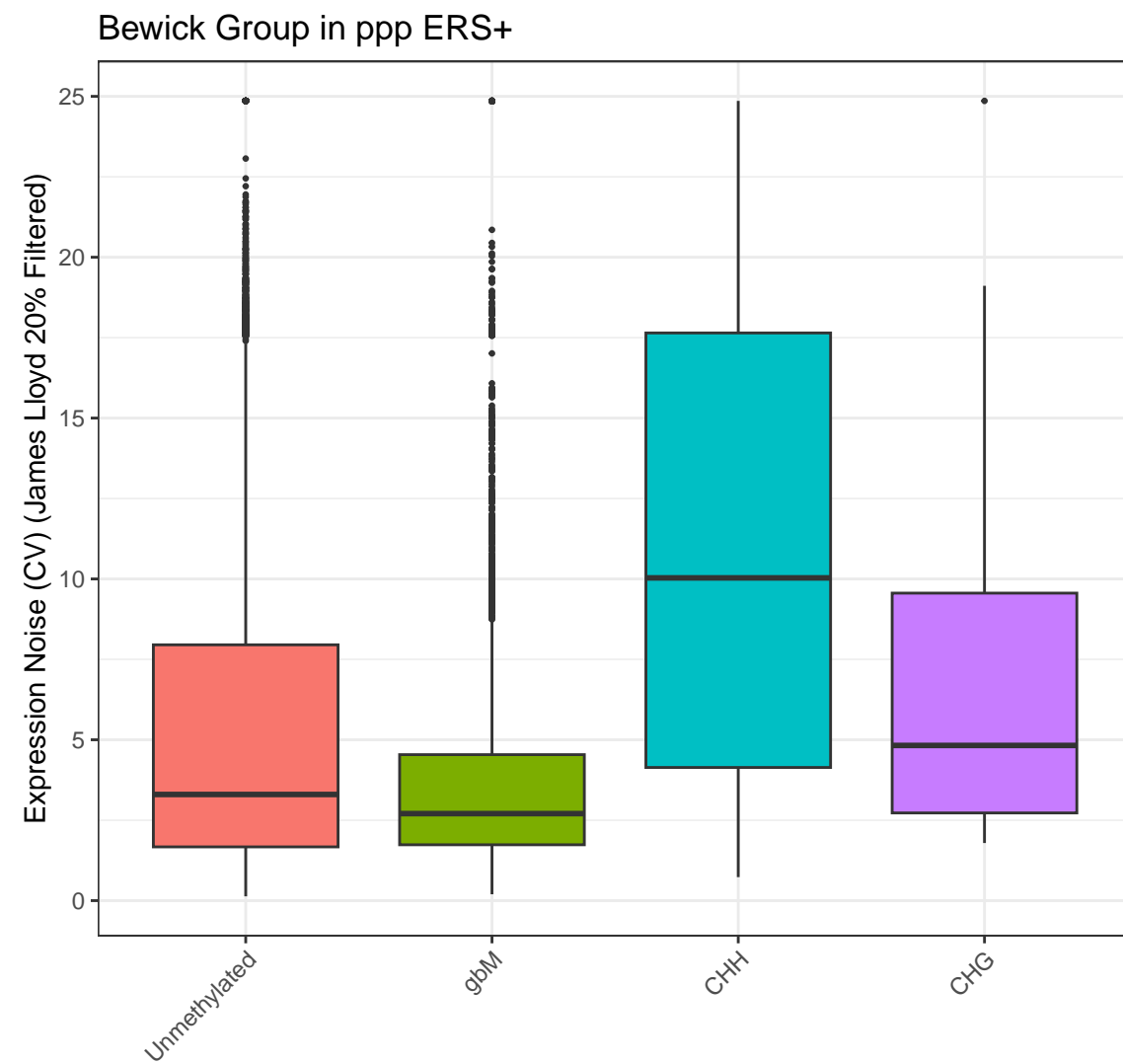
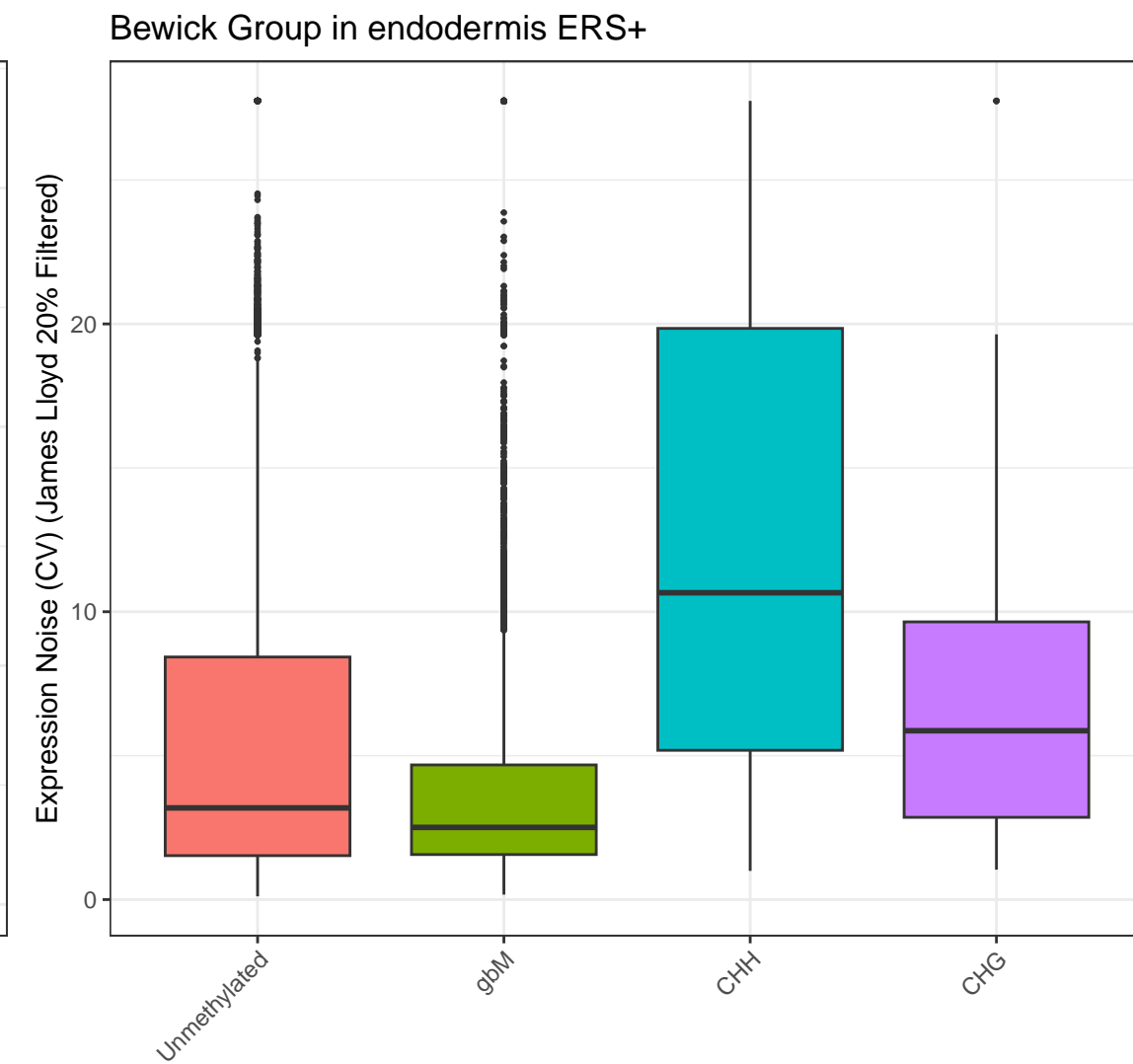
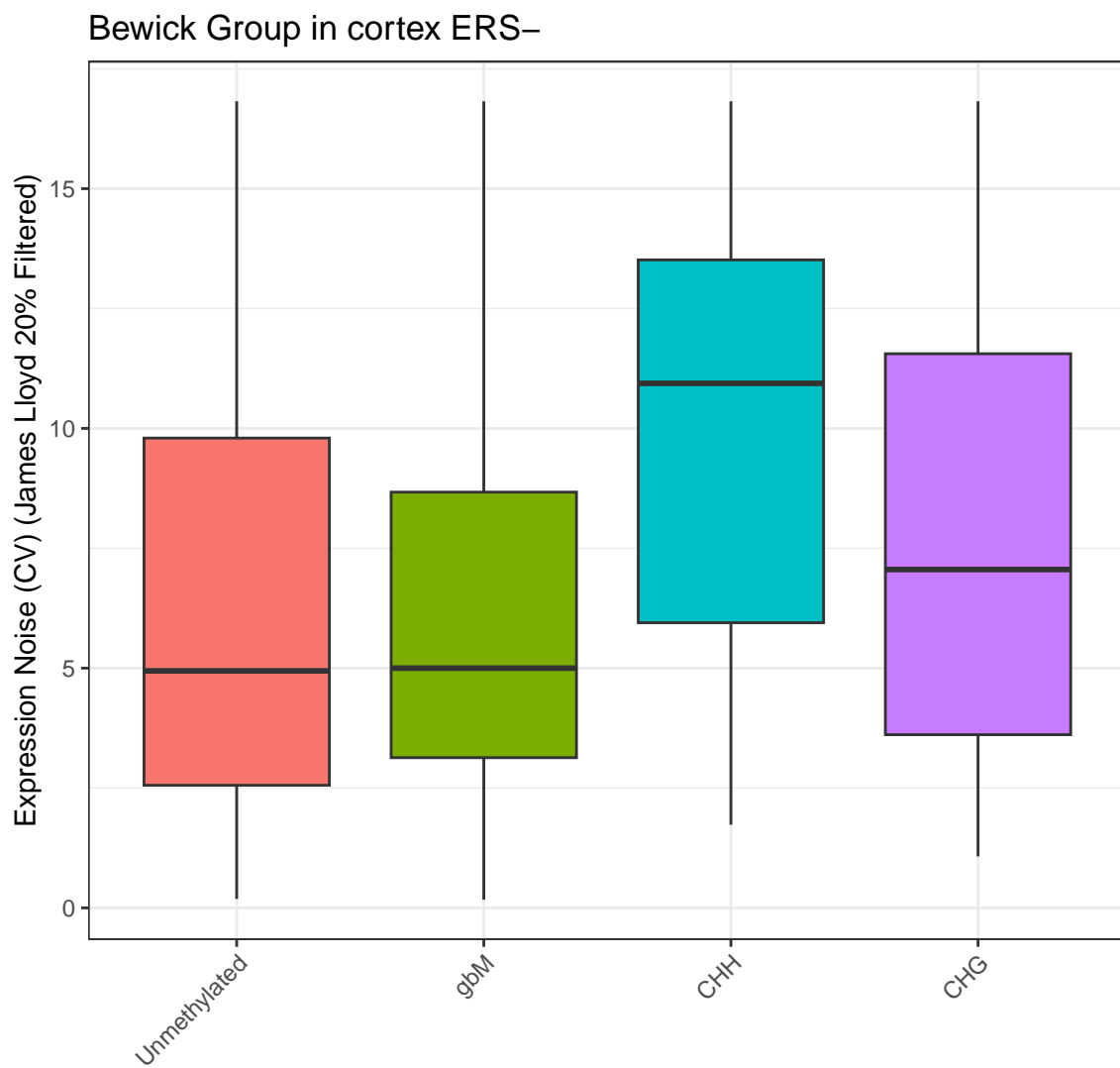
Bewick Group in non-hair cells

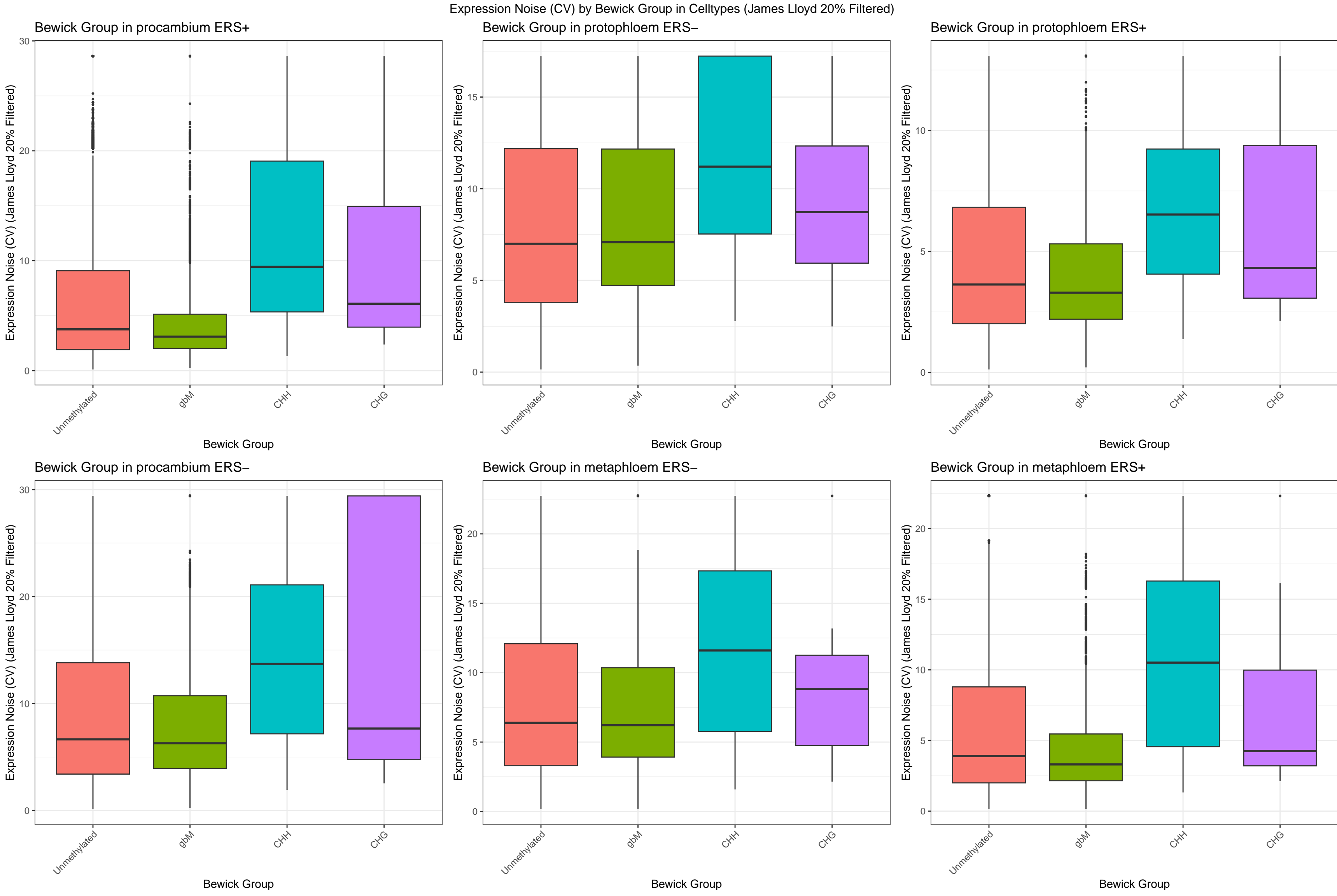


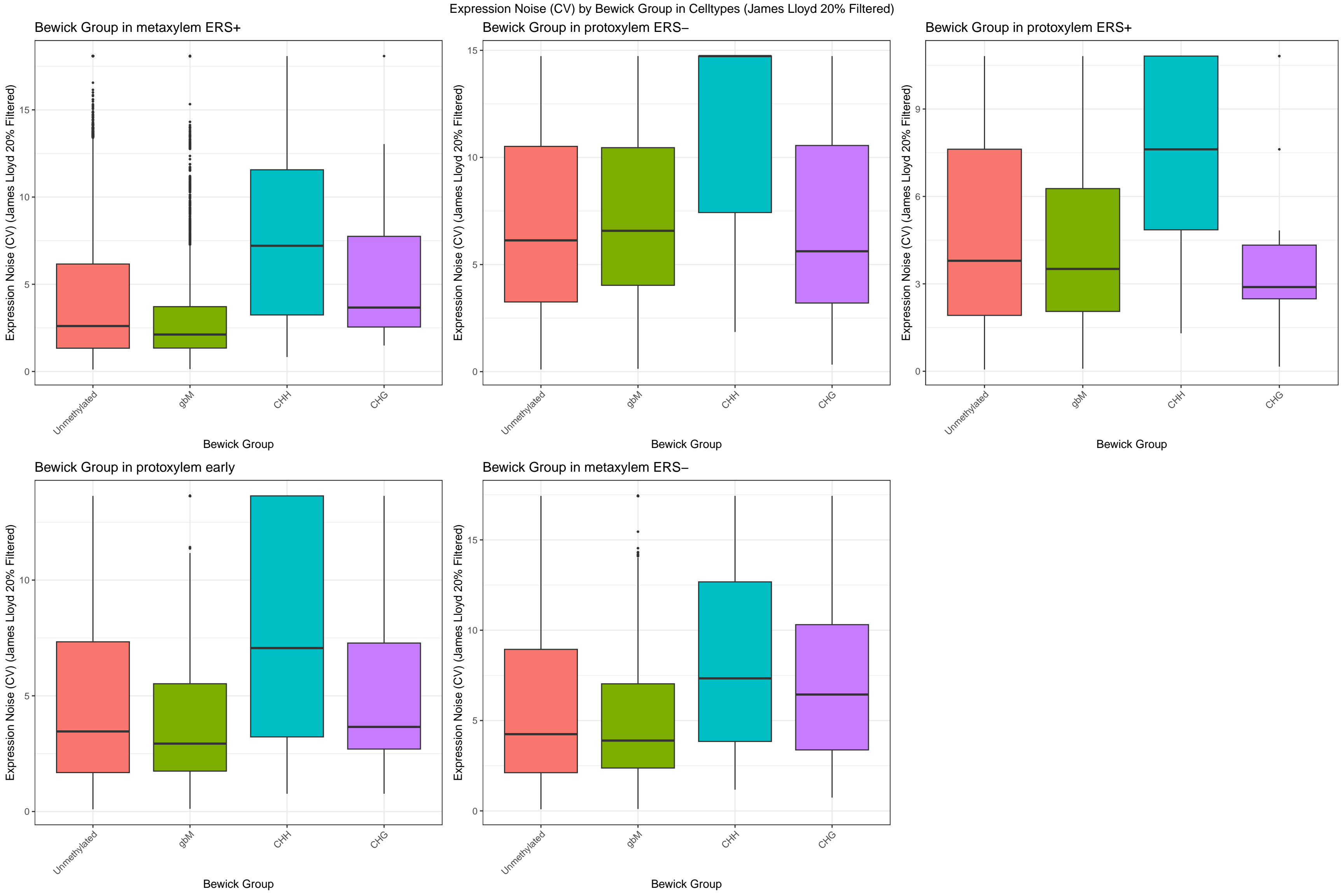
Expression Noise (CV) by Bewick Group in Celltypes (James Lloyd 20% Filtered)



Expression Noise (CV) by Bewick Group in Celltypes (James Lloyd 20% Filtered)







Statistical Comparisons for Expression Noise (CV) by Bewick Group in Celltypes (James Lloyd 20% Filtered)

Context	Filter_Tag	Specific_Context	Group_Type	Comparison	P_value_Formatted
CV Expr by Celltype	James Lloyd 20% Filtered	border cells	bewick_group	Overall (Kruskal–Wallis)	2.0016e−05
CV Expr by Celltype	James Lloyd 20% Filtered	border cells	bewick_group	gbM vs Unmethylated	9.2525e−04
CV Expr by Celltype	James Lloyd 20% Filtered	border cells	bewick_group	CHH vs Unmethylated	4.4175e−04
CV Expr by Celltype	James Lloyd 20% Filtered	border cells	bewick_group	CHG vs Unmethylated	2.6256e−01
CV Expr by Celltype	James Lloyd 20% Filtered	root cap early	bewick_group	Overall (Kruskal–Wallis)	3.7955e−41
CV Expr by Celltype	James Lloyd 20% Filtered	root cap early	bewick_group	gbM vs Unmethylated	1.4314e−27
CV Expr by Celltype	James Lloyd 20% Filtered	root cap early	bewick_group	CHH vs Unmethylated	1.2213e−13
CV Expr by Celltype	James Lloyd 20% Filtered	root cap early	bewick_group	CHG vs Unmethylated	1.7136e−02
CV Expr by Celltype	James Lloyd 20% Filtered	root cap tip	bewick_group	Overall (Kruskal–Wallis)	8.0758e−21
CV Expr by Celltype	James Lloyd 20% Filtered	root cap tip	bewick_group	gbM vs Unmethylated	1.1092e−14
CV Expr by Celltype	James Lloyd 20% Filtered	root cap tip	bewick_group	CHH vs Unmethylated	4.4746e−08
CV Expr by Celltype	James Lloyd 20% Filtered	root cap tip	bewick_group	CHG vs Unmethylated	2.4218e−01
CV Expr by Celltype	James Lloyd 20% Filtered	root cap lateral	bewick_group	Overall (Kruskal–Wallis)	6.7552e−18
CV Expr by Celltype	James Lloyd 20% Filtered	root cap lateral	bewick_group	gbM vs Unmethylated	3.9633e−09
CV Expr by Celltype	James Lloyd 20% Filtered	root cap lateral	bewick_group	CHH vs Unmethylated	2.1495e−10
CV Expr by Celltype	James Lloyd 20% Filtered	root cap lateral	bewick_group	CHG vs Unmethylated	1.1448e−01
CV Expr by Celltype	James Lloyd 20% Filtered	columella	bewick_group	Overall (Kruskal–Wallis)	1.1450e−20
CV Expr by Celltype	James Lloyd 20% Filtered	columella	bewick_group	gbM vs Unmethylated	1.1051e−12
CV Expr by Celltype	James Lloyd 20% Filtered	columella	bewick_group	CHH vs Unmethylated	2.4112e−09
CV Expr by Celltype	James Lloyd 20% Filtered	columella	bewick_group	CHG vs Unmethylated	8.6023e−02
CV Expr by Celltype	James Lloyd 20% Filtered	non–hair cells	bewick_group	Overall (Kruskal–Wallis)	3.6869e−40
CV Expr by Celltype	James Lloyd 20% Filtered	non–hair cells	bewick_group	gbM vs Unmethylated	2.9330e−25
CV Expr by Celltype	James Lloyd 20% Filtered	non–hair cells	bewick_group	CHH vs Unmethylated	4.2018e−14
CV Expr by Celltype	James Lloyd 20% Filtered	non–hair cells	bewick_group	CHG vs Unmethylated	2.6655e−03
CV Expr by Celltype	James Lloyd 20% Filtered	epidermis early	bewick_group	Overall (Kruskal–Wallis)	5.8819e−72
CV Expr by Celltype	James Lloyd 20% Filtered	epidermis early	bewick_group	gbM vs Unmethylated	6.2985e−53
CV Expr by Celltype	James Lloyd 20% Filtered	epidermis early	bewick_group	CHH vs Unmethylated	3.8679e−16
CV Expr by Celltype	James Lloyd 20% Filtered	epidermis early	bewick_group	CHG vs Unmethylated	1.3604e−04
CV Expr by Celltype	James Lloyd 20% Filtered	hair cells early	bewick_group	Overall (Kruskal–Wallis)	9.7424e−53
CV Expr by Celltype	James Lloyd 20% Filtered	hair cells early	bewick_group	gbM vs Unmethylated	6.6048e−38

Statistical Comparisons for Expression Noise (CV) by Bewick Group in Celltypes (James Lloyd 20% Filtered)

Context	Filter_Tag	Specific_Context	Group_Type	Comparison	P_value_Formatted
CV Expr by Celltype	James Lloyd 20% Filtered	hair cells early	bewick_group	CHH vs Unmethylated	1.7256e−13
CV Expr by Celltype	James Lloyd 20% Filtered	hair cells early	bewick_group	CHG vs Unmethylated	9.3831e−04
CV Expr by Celltype	James Lloyd 20% Filtered	cortex ERS+	bewick_group	Overall (Kruskal–Wallis)	2.9395e−28
CV Expr by Celltype	James Lloyd 20% Filtered	cortex ERS+	bewick_group	gbM vs Unmethylated	1.3514e−18
CV Expr by Celltype	James Lloyd 20% Filtered	cortex ERS+	bewick_group	CHH vs Unmethylated	2.9706e−10
CV Expr by Celltype	James Lloyd 20% Filtered	cortex ERS+	bewick_group	CHG vs Unmethylated	1.6630e−02
CV Expr by Celltype	James Lloyd 20% Filtered	hair cells ERS+	bewick_group	Overall (Kruskal–Wallis)	3.1329e−24
CV Expr by Celltype	James Lloyd 20% Filtered	hair cells ERS+	bewick_group	gbM vs Unmethylated	8.6474e−16
CV Expr by Celltype	James Lloyd 20% Filtered	hair cells ERS+	bewick_group	CHH vs Unmethylated	1.1201e−09
CV Expr by Celltype	James Lloyd 20% Filtered	hair cells ERS+	bewick_group	CHG vs Unmethylated	5.5141e−02
CV Expr by Celltype	James Lloyd 20% Filtered	hair cells ERS−	bewick_group	Overall (Kruskal–Wallis)	1.3615e−05
CV Expr by Celltype	James Lloyd 20% Filtered	hair cells ERS−	bewick_group	gbM vs Unmethylated	6.4525e−02
CV Expr by Celltype	James Lloyd 20% Filtered	hair cells ERS−	bewick_group	CHH vs Unmethylated	1.0220e−05
CV Expr by Celltype	James Lloyd 20% Filtered	hair cells ERS−	bewick_group	CHG vs Unmethylated	4.0619e−01
CV Expr by Celltype	James Lloyd 20% Filtered	xpp ERS−	bewick_group	Overall (Kruskal–Wallis)	2.3469e−15
CV Expr by Celltype	James Lloyd 20% Filtered	xpp ERS−	bewick_group	gbM vs Unmethylated	1.6963e−08
CV Expr by Celltype	James Lloyd 20% Filtered	xpp ERS−	bewick_group	CHH vs Unmethylated	1.4792e−08
CV Expr by Celltype	James Lloyd 20% Filtered	xpp ERS−	bewick_group	CHG vs Unmethylated	1.8079e−01
CV Expr by Celltype	James Lloyd 20% Filtered	cortex ERS−	bewick_group	Overall (Kruskal–Wallis)	2.8282e−07
CV Expr by Celltype	James Lloyd 20% Filtered	cortex ERS−	bewick_group	gbM vs Unmethylated	1.1614e−02
CV Expr by Celltype	James Lloyd 20% Filtered	cortex ERS−	bewick_group	CHH vs Unmethylated	1.0719e−06
CV Expr by Celltype	James Lloyd 20% Filtered	cortex ERS−	bewick_group	CHG vs Unmethylated	1.3628e−01
CV Expr by Celltype	James Lloyd 20% Filtered	endodermis ERS−	bewick_group	Overall (Kruskal–Wallis)	1.9975e−07
CV Expr by Celltype	James Lloyd 20% Filtered	endodermis ERS−	bewick_group	gbM vs Unmethylated	4.2886e−02
CV Expr by Celltype	James Lloyd 20% Filtered	endodermis ERS−	bewick_group	CHH vs Unmethylated	1.1411e−07
CV Expr by Celltype	James Lloyd 20% Filtered	endodermis ERS−	bewick_group	CHG vs Unmethylated	4.9347e−01
CV Expr by Celltype	James Lloyd 20% Filtered	endodermis ERS+	bewick_group	Overall (Kruskal–Wallis)	1.9519e−41
CV Expr by Celltype	James Lloyd 20% Filtered	endodermis ERS+	bewick_group	gbM vs Unmethylated	7.8345e−30
CV Expr by Celltype	James Lloyd 20% Filtered	endodermis ERS+	bewick_group	CHH vs Unmethylated	3.8062e−12
CV Expr by Celltype	James Lloyd 20% Filtered	endodermis ERS+	bewick_group	CHG vs Unmethylated	2.8213e−02

Statistical Comparisons for Expression Noise (CV) by Bewick Group in Celltypes (James Lloyd 20% Filtered)

Context	Filter_Tag	Specific_Context	Group_Type	Comparison	P_value_Formatted
CV Expr by Celltype	James Lloyd 20% Filtered	xpp ERS+	bewick_group	Overall (Kruskal–Wallis)	1.0315e−60
CV Expr by Celltype	James Lloyd 20% Filtered	xpp ERS+	bewick_group	gbM vs Unmethylated	1.0727e−45
CV Expr by Celltype	James Lloyd 20% Filtered	xpp ERS+	bewick_group	CHH vs Unmethylated	2.5244e−14
CV Expr by Celltype	James Lloyd 20% Filtered	xpp ERS+	bewick_group	CHG vs Unmethylated	4.9991e−03
CV Expr by Celltype	James Lloyd 20% Filtered	ppp ERS+	bewick_group	Overall (Kruskal–Wallis)	7.0171e−41
CV Expr by Celltype	James Lloyd 20% Filtered	ppp ERS+	bewick_group	gbM vs Unmethylated	1.2348e−32
CV Expr by Celltype	James Lloyd 20% Filtered	ppp ERS+	bewick_group	CHH vs Unmethylated	1.6881e−09
CV Expr by Celltype	James Lloyd 20% Filtered	ppp ERS+	bewick_group	CHG vs Unmethylated	7.1403e−02
CV Expr by Celltype	James Lloyd 20% Filtered	ppp ERS−	bewick_group	Overall (Kruskal–Wallis)	1.1903e−06
CV Expr by Celltype	James Lloyd 20% Filtered	ppp ERS−	bewick_group	gbM vs Unmethylated	2.1599e−03
CV Expr by Celltype	James Lloyd 20% Filtered	ppp ERS−	bewick_group	CHH vs Unmethylated	3.4855e−05
CV Expr by Celltype	James Lloyd 20% Filtered	ppp ERS−	bewick_group	CHG vs Unmethylated	2.2207e−01
CV Expr by Celltype	James Lloyd 20% Filtered	procambium ERS+	bewick_group	Overall (Kruskal–Wallis)	3.3926e−39
CV Expr by Celltype	James Lloyd 20% Filtered	procambium ERS+	bewick_group	gbM vs Unmethylated	1.3863e−29
CV Expr by Celltype	James Lloyd 20% Filtered	procambium ERS+	bewick_group	CHH vs Unmethylated	1.5656e−09
CV Expr by Celltype	James Lloyd 20% Filtered	procambium ERS+	bewick_group	CHG vs Unmethylated	5.8566e−03
CV Expr by Celltype	James Lloyd 20% Filtered	procambium ERS−	bewick_group	Overall (Kruskal–Wallis)	1.0334e−07
CV Expr by Celltype	James Lloyd 20% Filtered	procambium ERS−	bewick_group	gbM vs Unmethylated	1.6638e−02
CV Expr by Celltype	James Lloyd 20% Filtered	procambium ERS−	bewick_group	CHH vs Unmethylated	9.1017e−07
CV Expr by Celltype	James Lloyd 20% Filtered	procambium ERS−	bewick_group	CHG vs Unmethylated	1.1855e−01
CV Expr by Celltype	James Lloyd 20% Filtered	protophloem ERS−	bewick_group	Overall (Kruskal–Wallis)	5.1253e−08
CV Expr by Celltype	James Lloyd 20% Filtered	protophloem ERS−	bewick_group	gbM vs Unmethylated	7.1240e−07
CV Expr by Celltype	James Lloyd 20% Filtered	protophloem ERS−	bewick_group	CHH vs Unmethylated	1.1063e−03
CV Expr by Celltype	James Lloyd 20% Filtered	protophloem ERS−	bewick_group	CHG vs Unmethylated	1.6540e−01
CV Expr by Celltype	James Lloyd 20% Filtered	metaphloem ERS−	bewick_group	Overall (Kruskal–Wallis)	1.6725e−03
CV Expr by Celltype	James Lloyd 20% Filtered	metaphloem ERS−	bewick_group	gbM vs Unmethylated	8.0849e−01
CV Expr by Celltype	James Lloyd 20% Filtered	metaphloem ERS−	bewick_group	CHH vs Unmethylated	2.5963e−04
CV Expr by Celltype	James Lloyd 20% Filtered	metaphloem ERS−	bewick_group	CHG vs Unmethylated	3.3643e−01
CV Expr by Celltype	James Lloyd 20% Filtered	protophloem ERS+	bewick_group	Overall (Kruskal–Wallis)	6.2672e−09
CV Expr by Celltype	James Lloyd 20% Filtered	protophloem ERS+	bewick_group	gbM vs Unmethylated	1.6277e−06

Statistical Comparisons for Expression Noise (CV) by Bewick Group in Celltypes (James Lloyd 20% Filtered)

Context	Filter_Tag	Specific_Context	Group_Type	Comparison	P_value_Formatted
CV Expr by Celltype	James Lloyd 20% Filtered	protophloem ERS+	bewick_group	CHH vs Unmethylated	4.5699e−04
CV Expr by Celltype	James Lloyd 20% Filtered	protophloem ERS+	bewick_group	CHG vs Unmethylated	9.3040e−02
CV Expr by Celltype	James Lloyd 20% Filtered	metaphloem ERS+	bewick_group	Overall (Kruskal–Wallis)	3.5852e−30
CV Expr by Celltype	James Lloyd 20% Filtered	metaphloem ERS+	bewick_group	gbM vs Unmethylated	4.1347e−22
CV Expr by Celltype	James Lloyd 20% Filtered	metaphloem ERS+	bewick_group	CHH vs Unmethylated	1.7248e−09
CV Expr by Celltype	James Lloyd 20% Filtered	metaphloem ERS+	bewick_group	CHG vs Unmethylated	8.4142e−02
CV Expr by Celltype	James Lloyd 20% Filtered	metaxylem ERS+	bewick_group	Overall (Kruskal–Wallis)	5.0963e−41
CV Expr by Celltype	James Lloyd 20% Filtered	metaxylem ERS+	bewick_group	gbM vs Unmethylated	2.9296e−33
CV Expr by Celltype	James Lloyd 20% Filtered	metaxylem ERS+	bewick_group	CHH vs Unmethylated	9.1438e−09
CV Expr by Celltype	James Lloyd 20% Filtered	metaxylem ERS+	bewick_group	CHG vs Unmethylated	4.3238e−02
CV Expr by Celltype	James Lloyd 20% Filtered	protoxylem early	bewick_group	Overall (Kruskal–Wallis)	1.6673e−15
CV Expr by Celltype	James Lloyd 20% Filtered	protoxylem early	bewick_group	gbM vs Unmethylated	5.2946e−13
CV Expr by Celltype	James Lloyd 20% Filtered	protoxylem early	bewick_group	CHH vs Unmethylated	4.9489e−05
CV Expr by Celltype	James Lloyd 20% Filtered	protoxylem early	bewick_group	CHG vs Unmethylated	6.6352e−01
CV Expr by Celltype	James Lloyd 20% Filtered	protoxylem ERS−	bewick_group	Overall (Kruskal–Wallis)	1.8917e−08
CV Expr by Celltype	James Lloyd 20% Filtered	protoxylem ERS−	bewick_group	gbM vs Unmethylated	1.2876e−06
CV Expr by Celltype	James Lloyd 20% Filtered	protoxylem ERS−	bewick_group	CHH vs Unmethylated	9.4734e−05
CV Expr by Celltype	James Lloyd 20% Filtered	protoxylem ERS−	bewick_group	CHG vs Unmethylated	6.2197e−01
CV Expr by Celltype	James Lloyd 20% Filtered	metaxylem ERS−	bewick_group	Overall (Kruskal–Wallis)	9.0223e−06
CV Expr by Celltype	James Lloyd 20% Filtered	metaxylem ERS−	bewick_group	gbM vs Unmethylated	1.0472e−03
CV Expr by Celltype	James Lloyd 20% Filtered	metaxylem ERS−	bewick_group	CHH vs Unmethylated	7.6470e−04
CV Expr by Celltype	James Lloyd 20% Filtered	metaxylem ERS−	bewick_group	CHG vs Unmethylated	1.4008e−01
CV Expr by Celltype	James Lloyd 20% Filtered	protoxylem ERS+	bewick_group	Overall (Kruskal–Wallis)	2.7849e−05
CV Expr by Celltype	James Lloyd 20% Filtered	protoxylem ERS+	bewick_group	gbM vs Unmethylated	3.8974e−02
CV Expr by Celltype	James Lloyd 20% Filtered	protoxylem ERS+	bewick_group	CHH vs Unmethylated	2.5328e−05
CV Expr by Celltype	James Lloyd 20% Filtered	protoxylem ERS+	bewick_group	CHG vs Unmethylated	4.6971e−01