

Project Evaluation Sheet

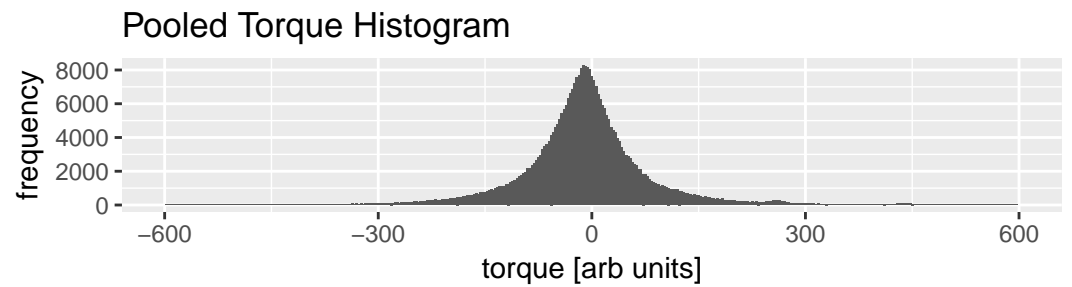
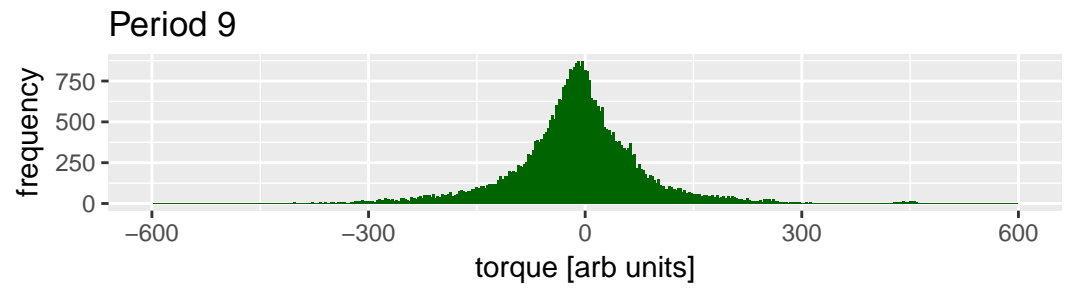
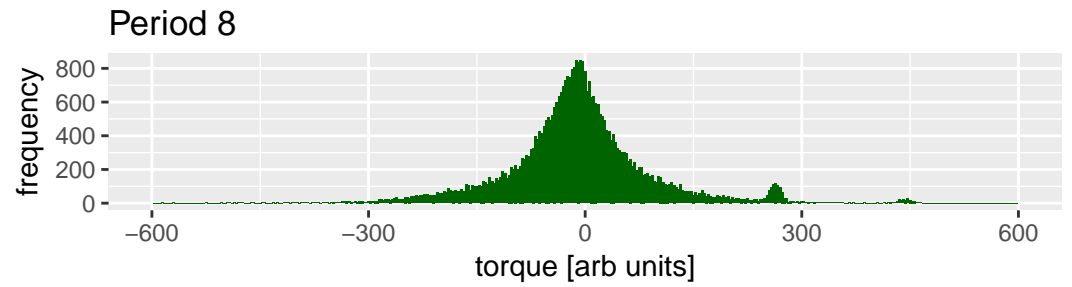
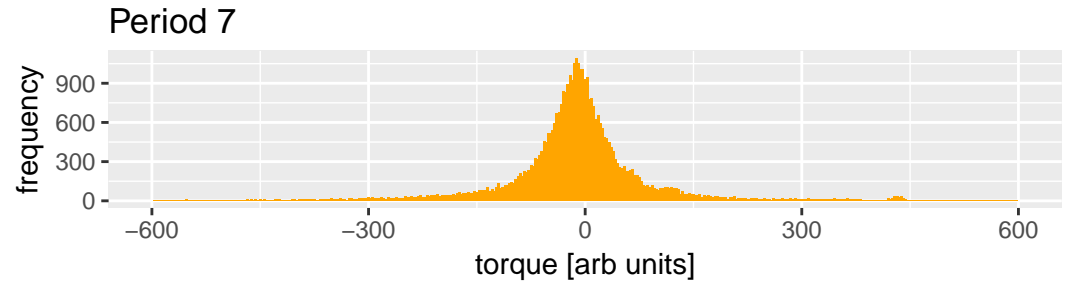
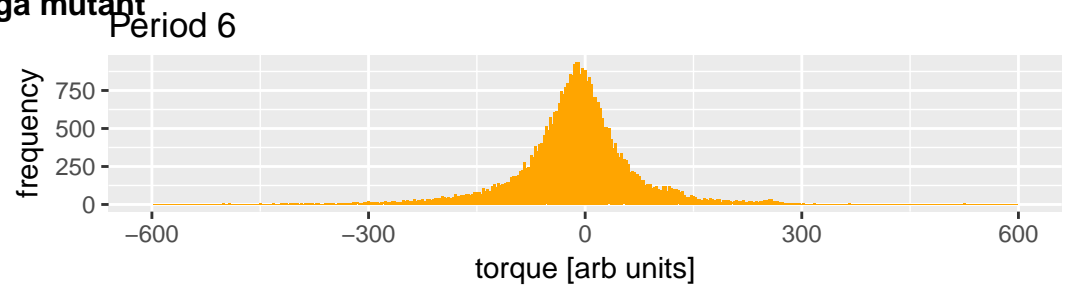
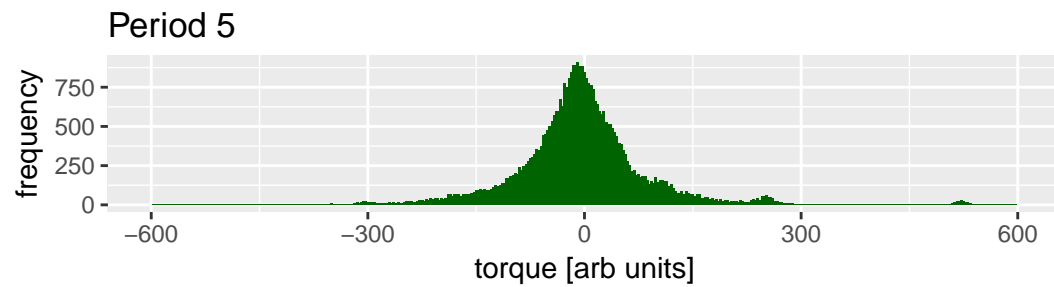
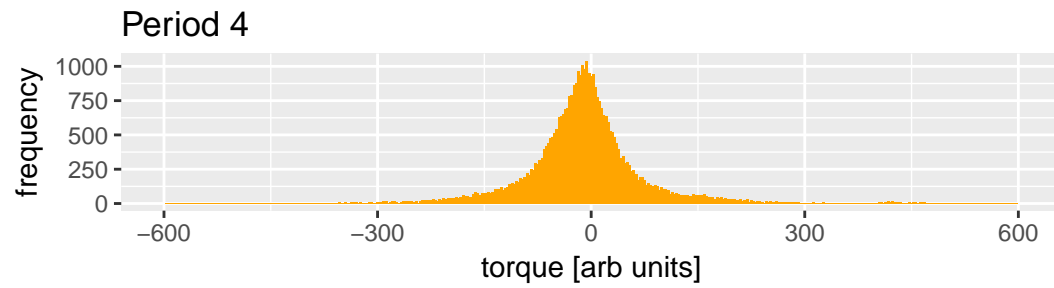
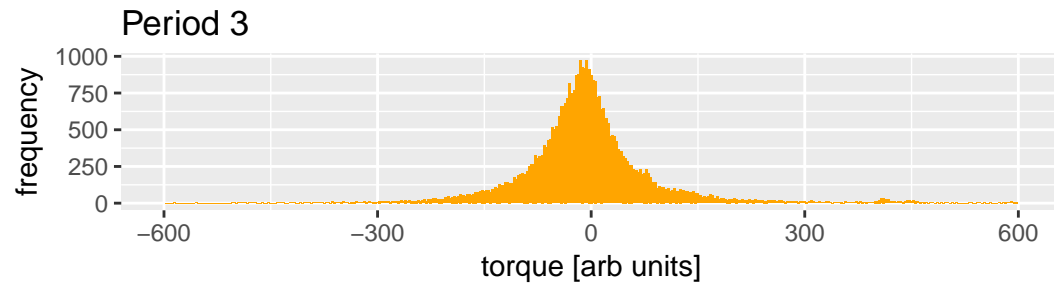
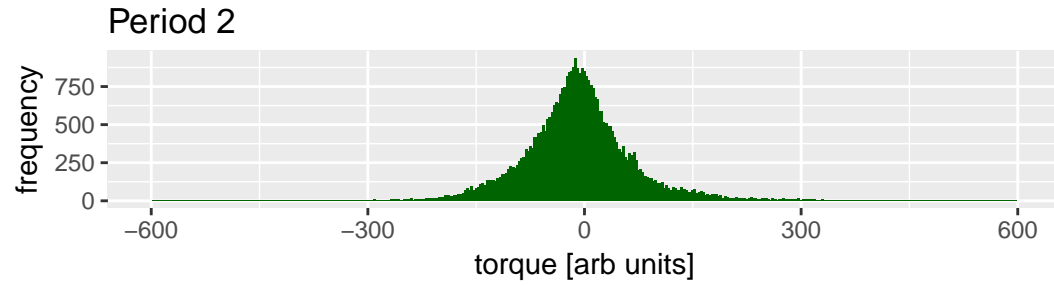
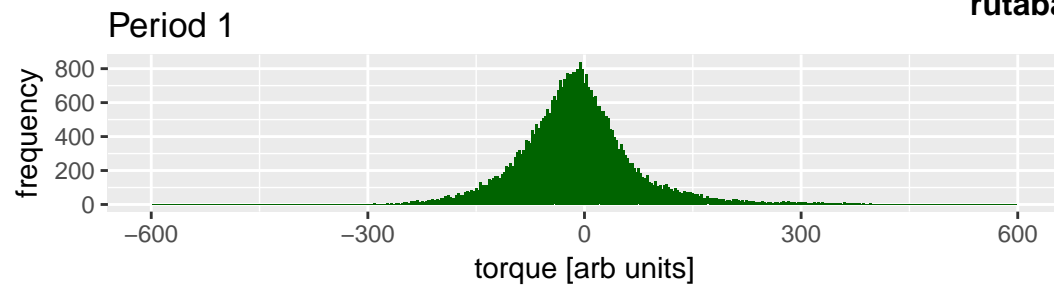
rutabaga vs. wtb in closed-loop color learning

Description: Comparison of rutabaga mutants and wild type 'Berlin' flies in closed-loop blue-green color learning, requiring angle-integration
Experimenter: Björn Brembs

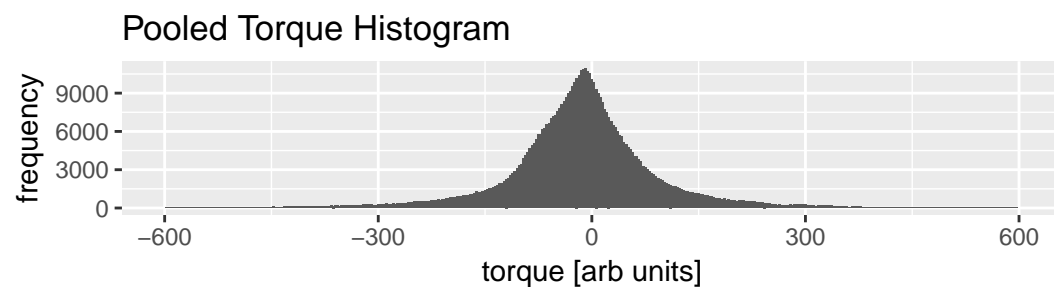
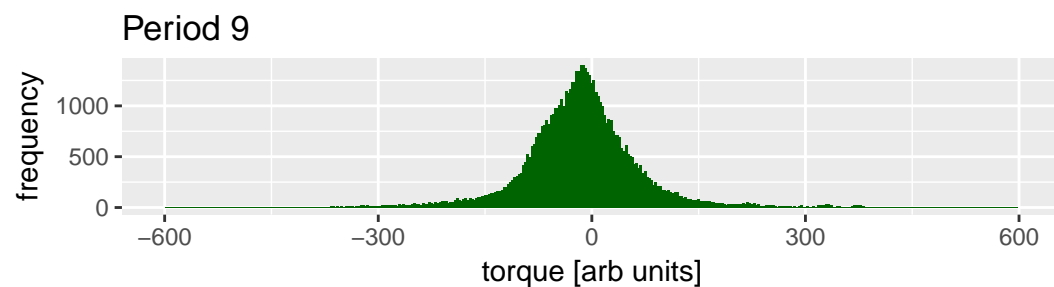
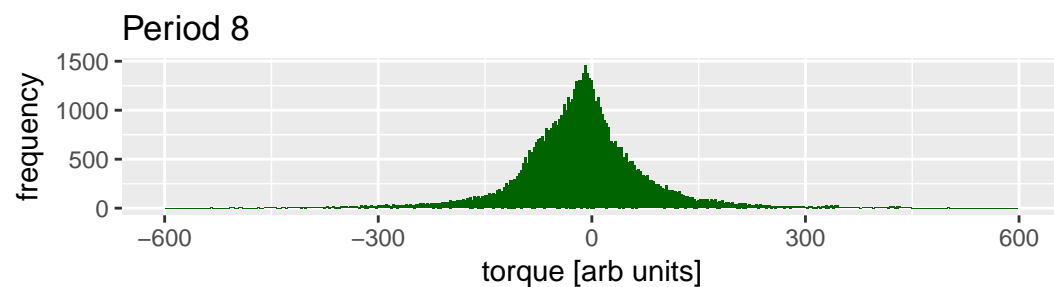
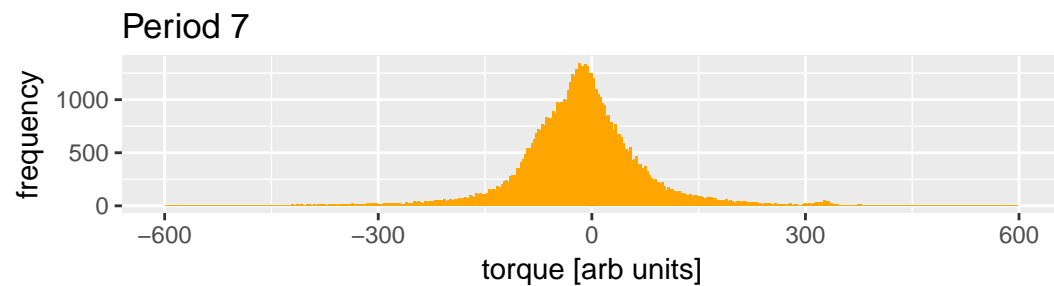
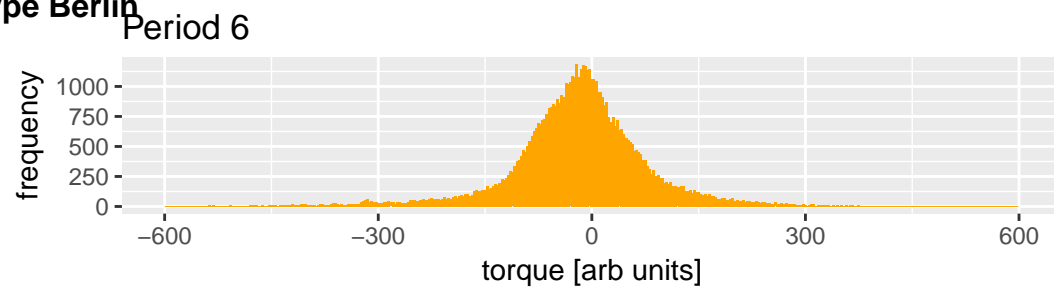
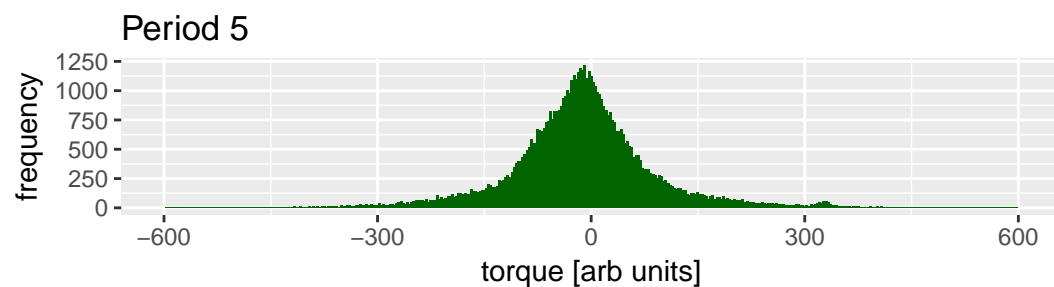
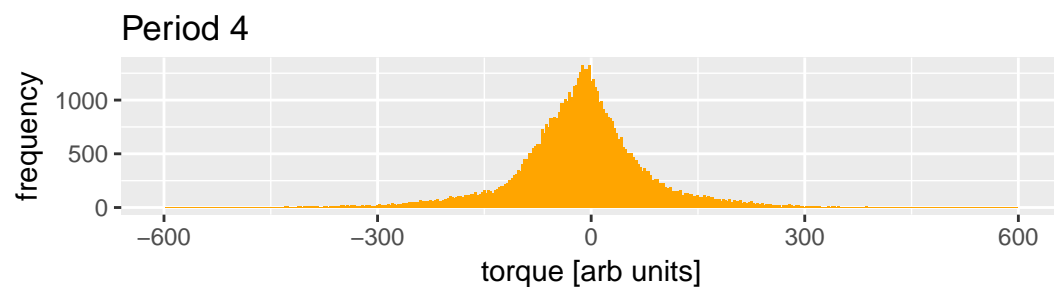
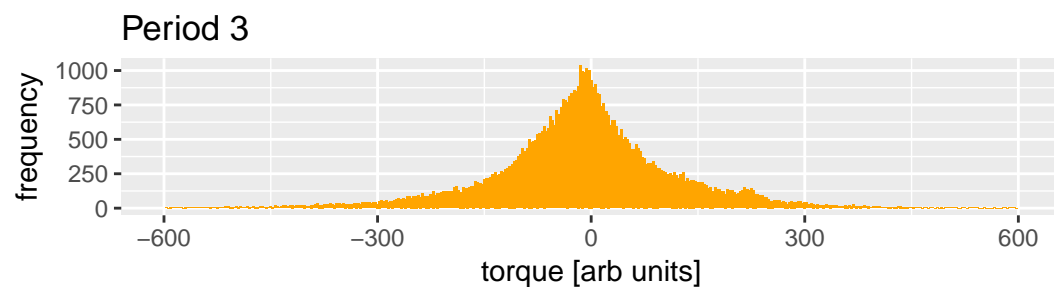
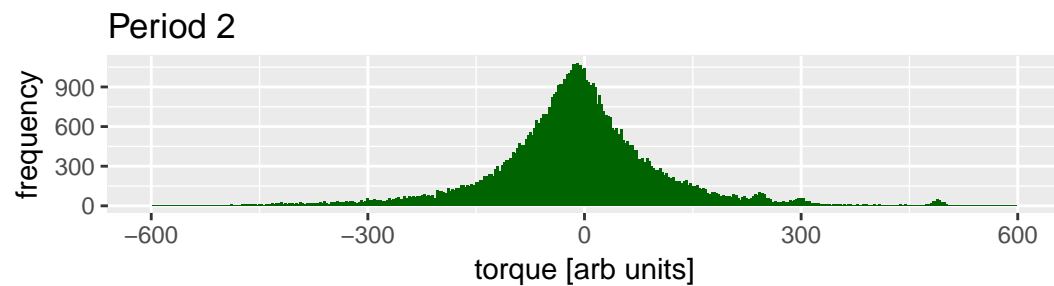
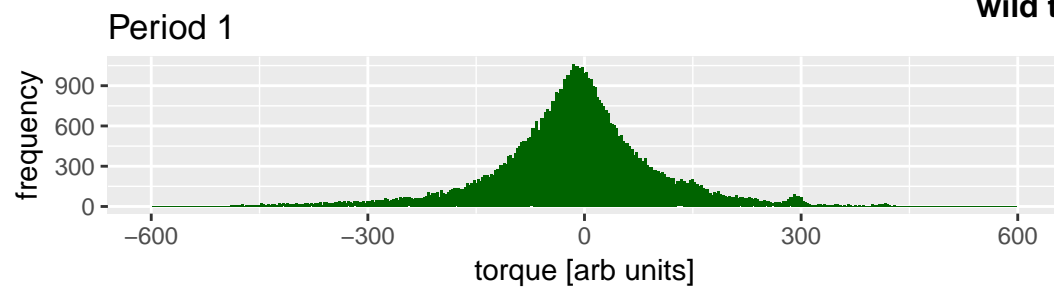
Experimental design:

[illegible]

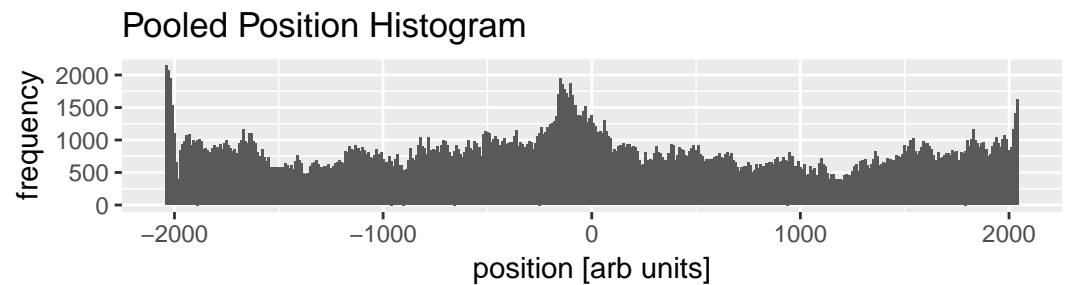
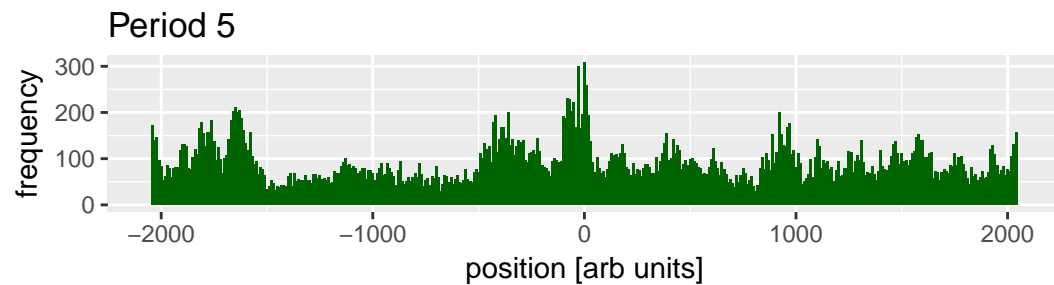
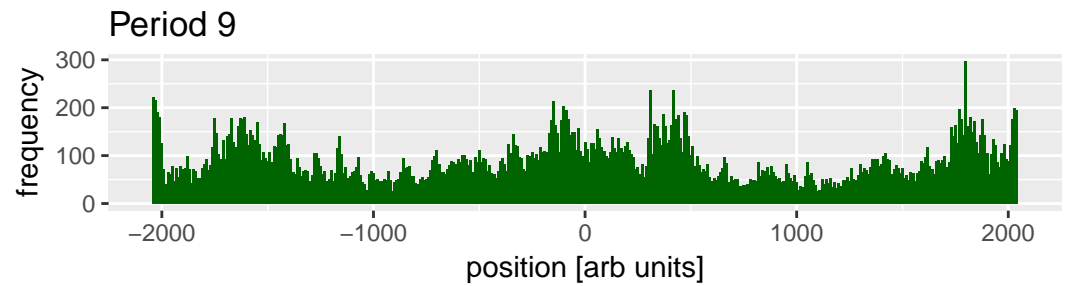
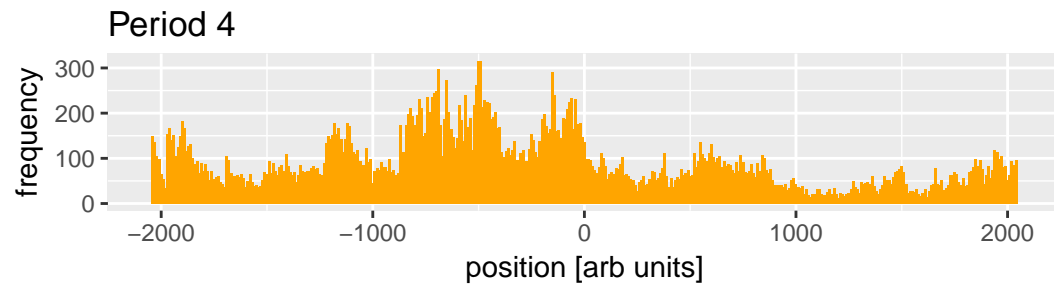
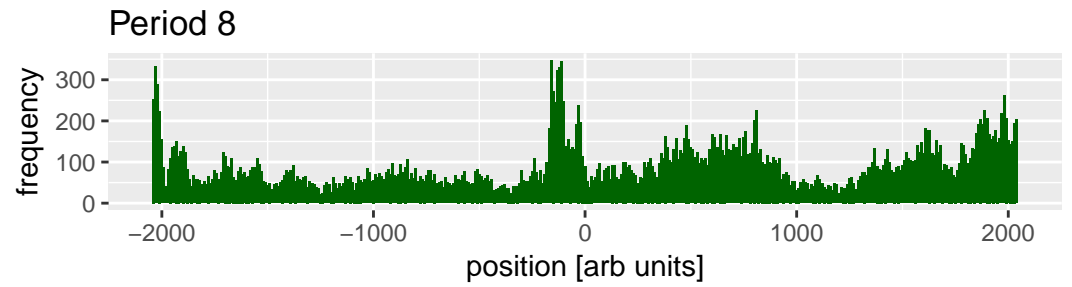
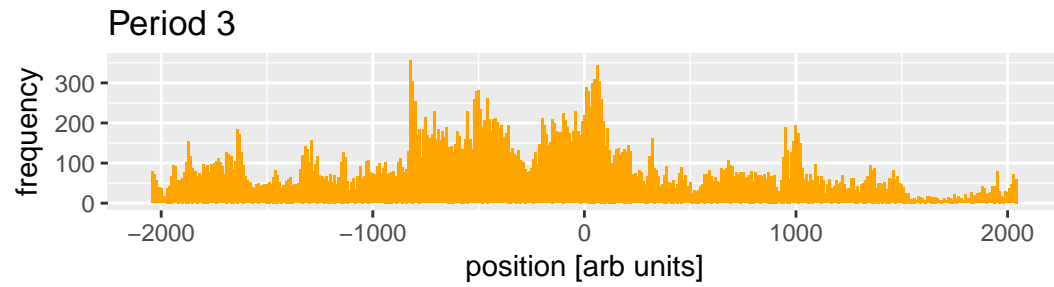
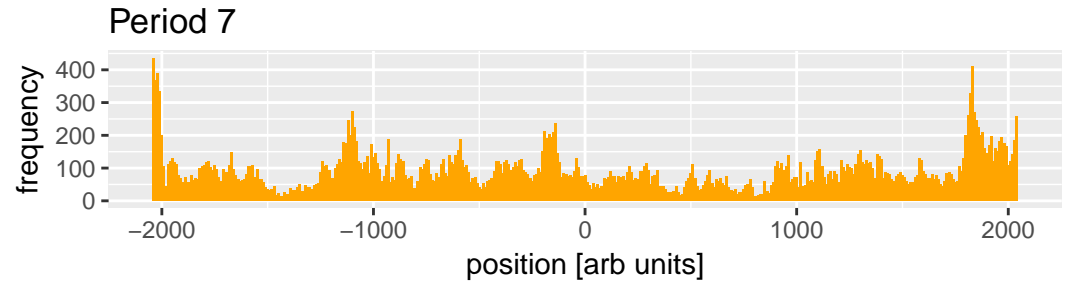
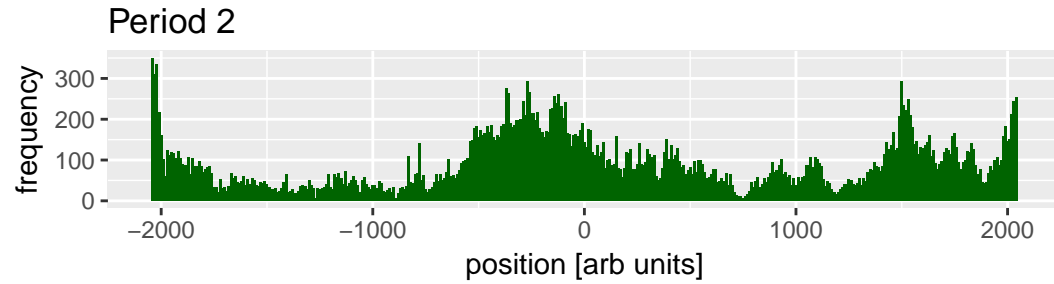
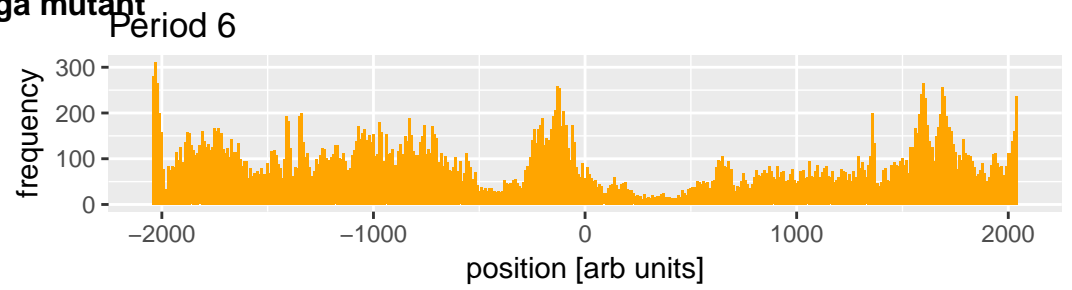
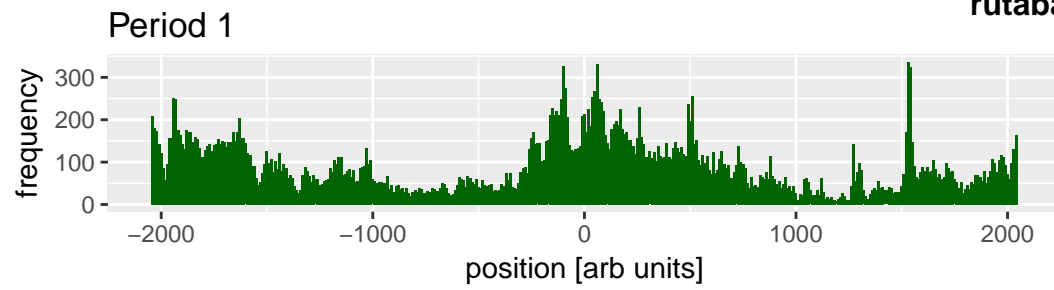
rutabaga mutant



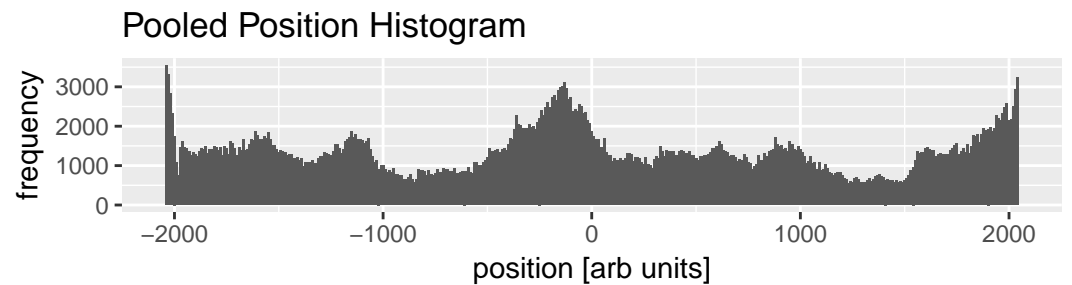
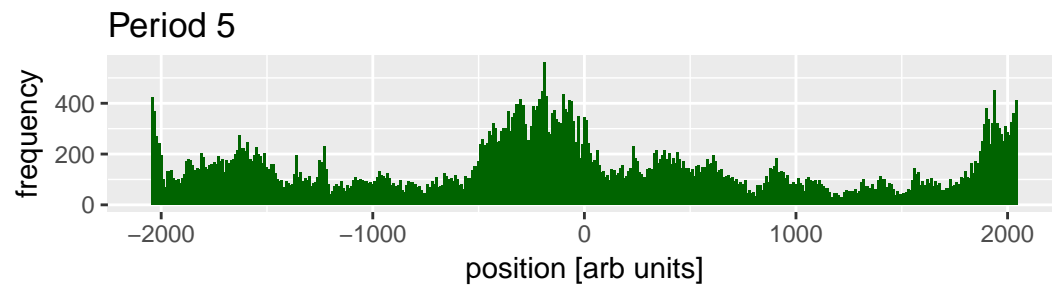
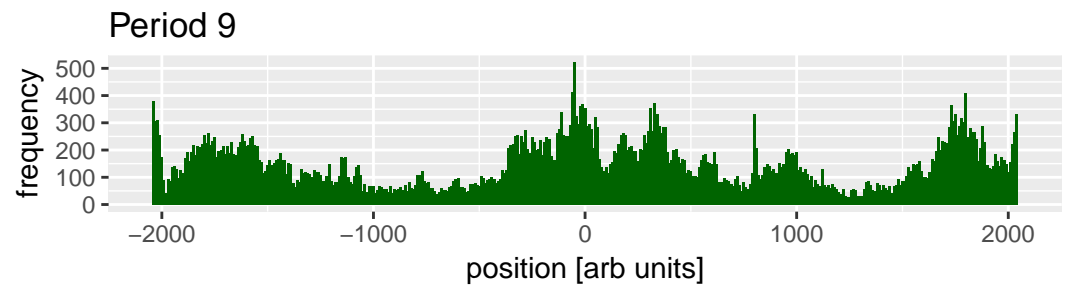
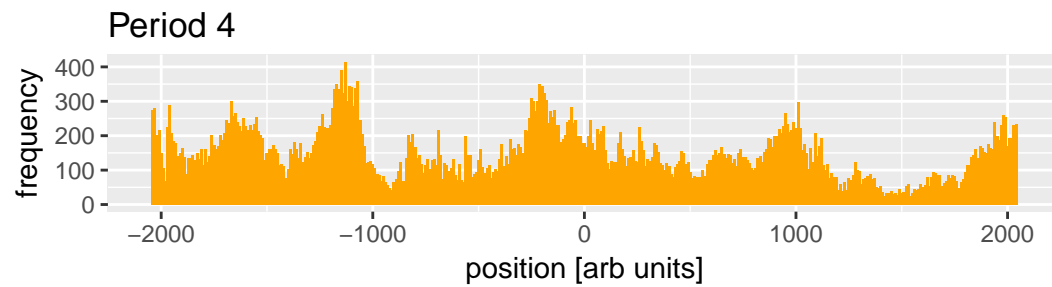
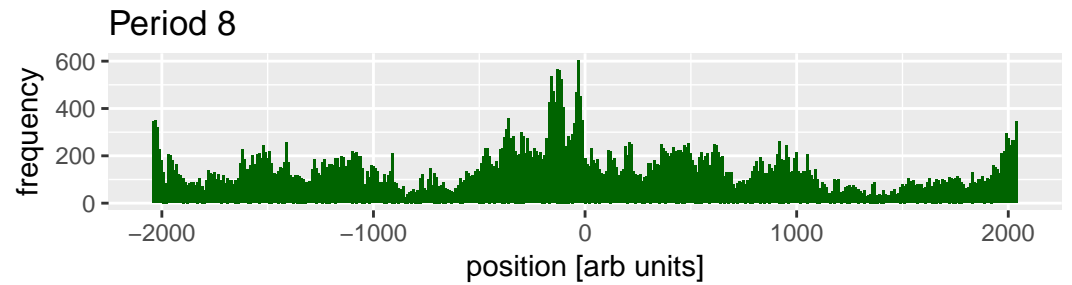
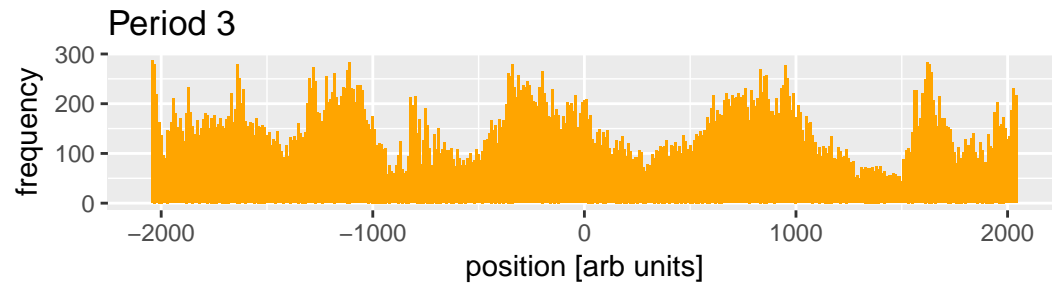
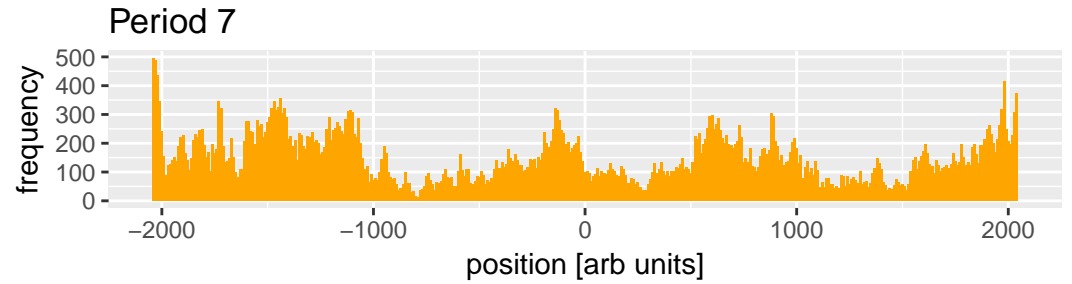
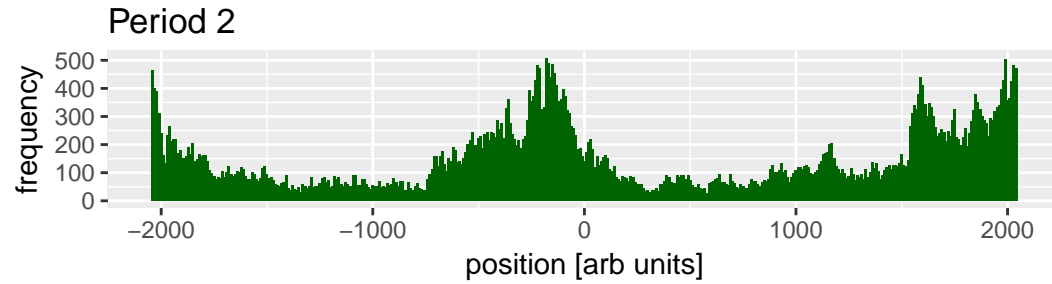
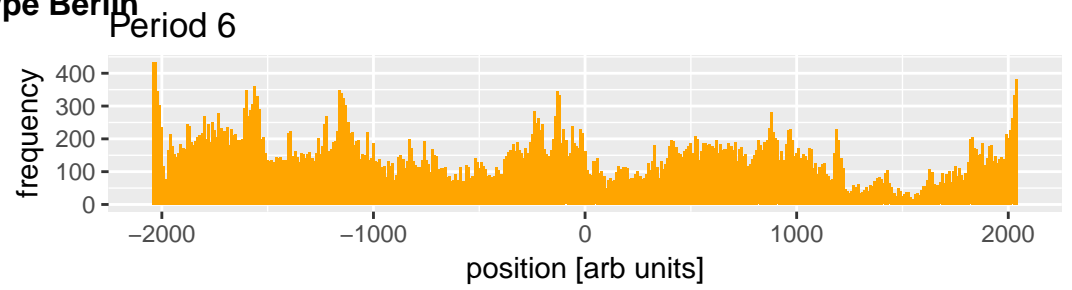
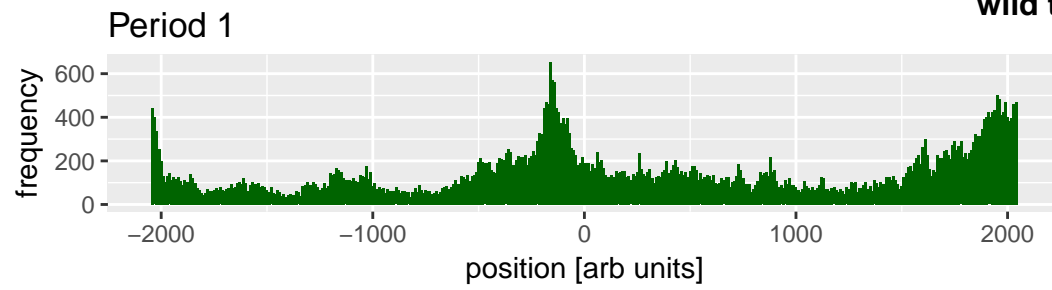
wild type Berlin



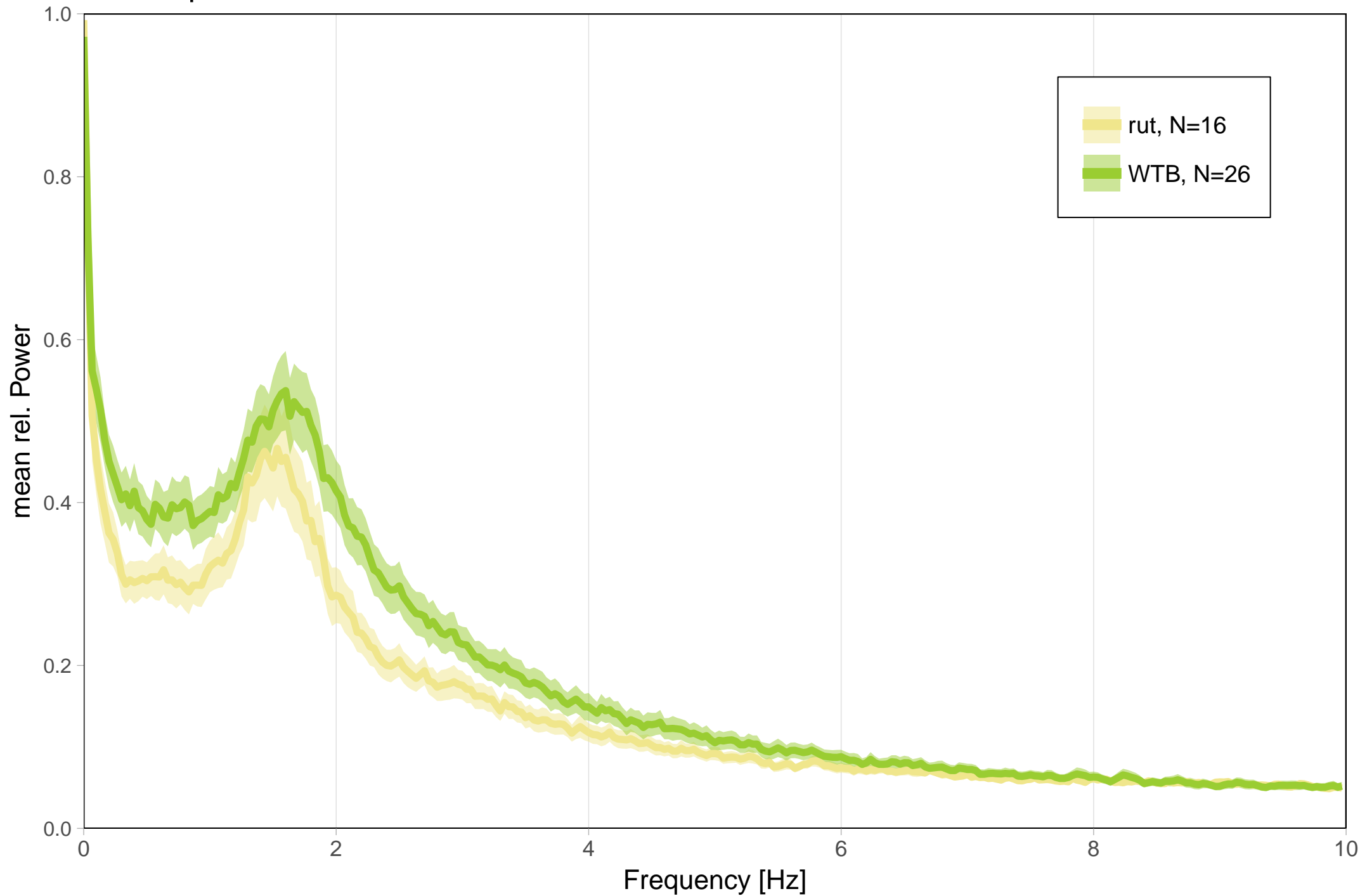
rutabaga mutant



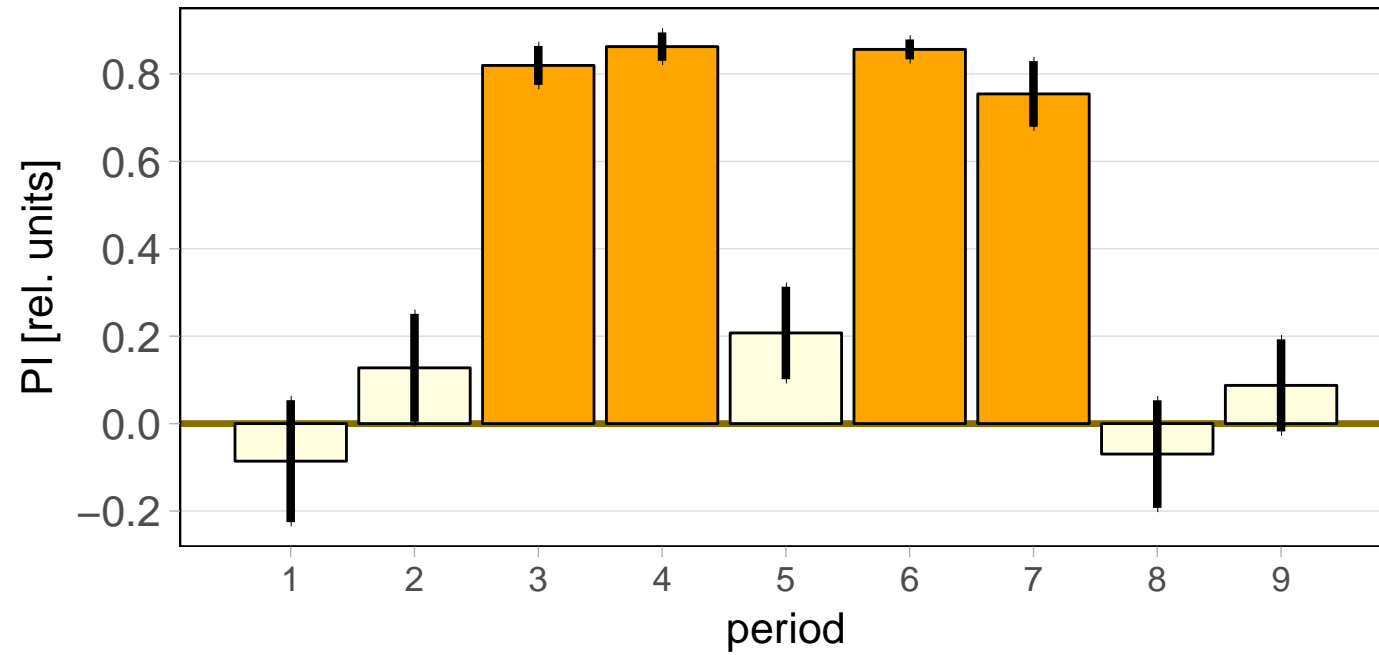
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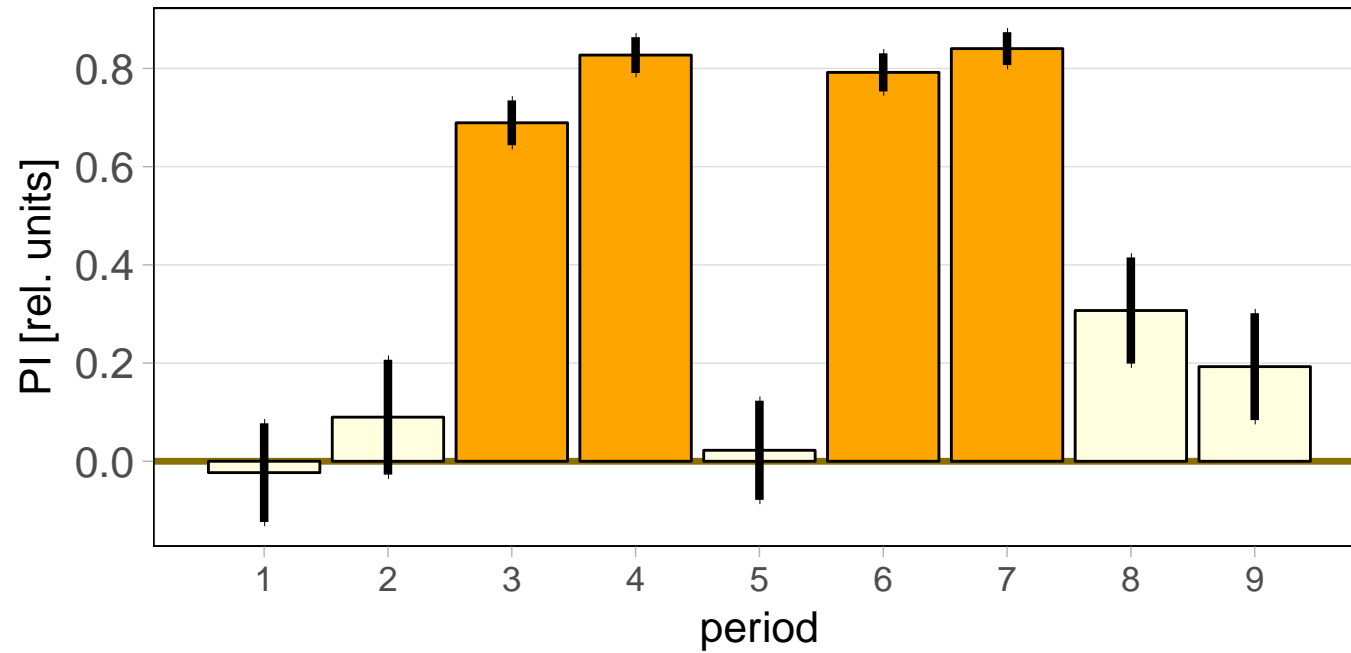
Powerspectra



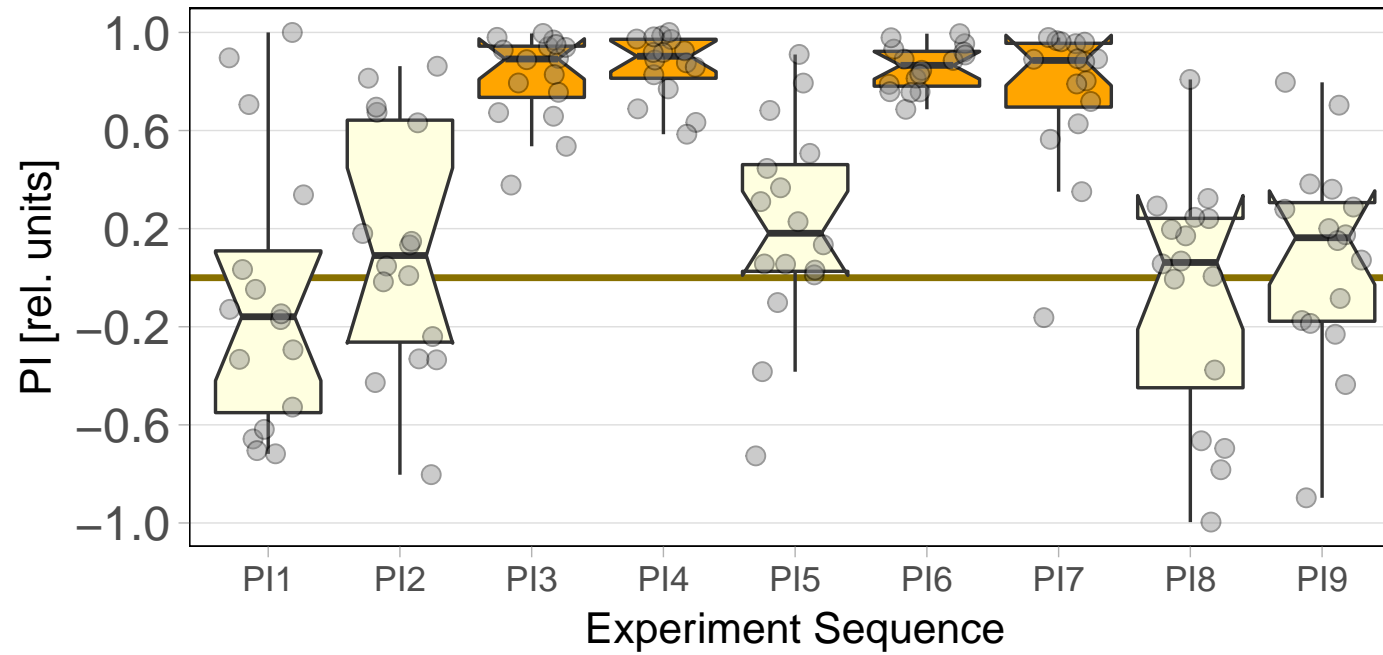
rutabaga mutant , N= 16



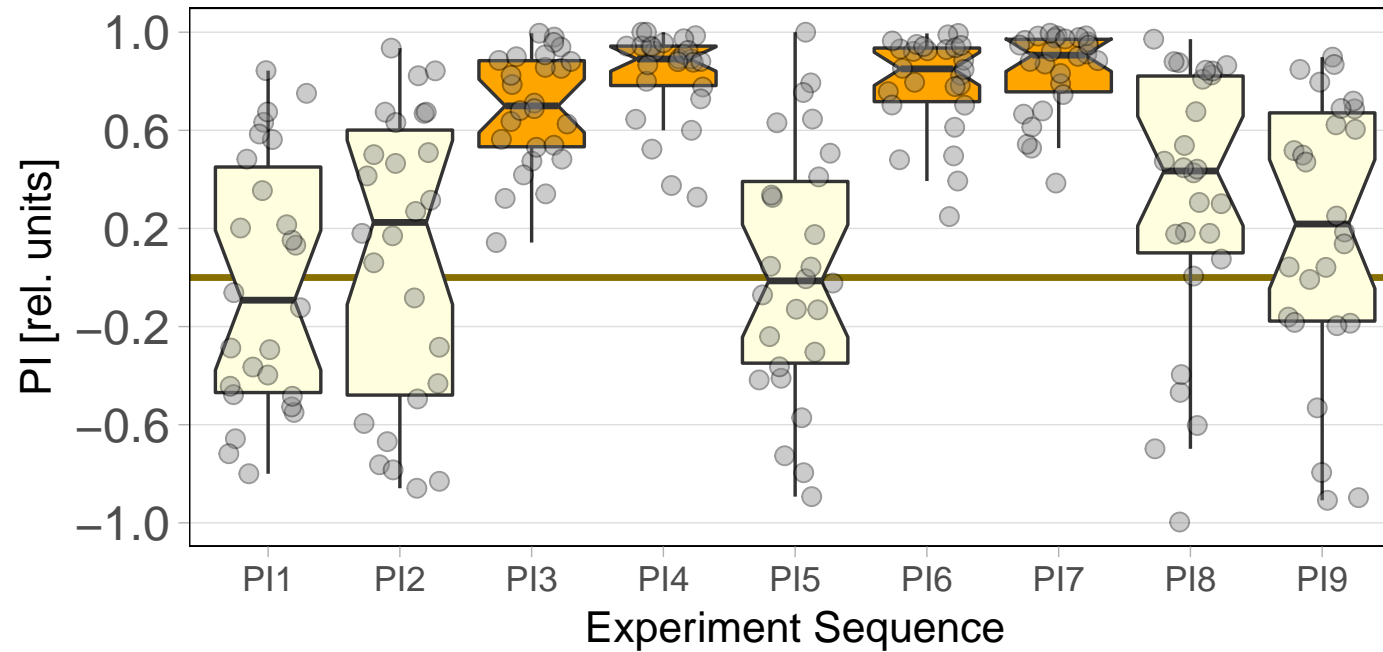
wild type Berlin , N= 26



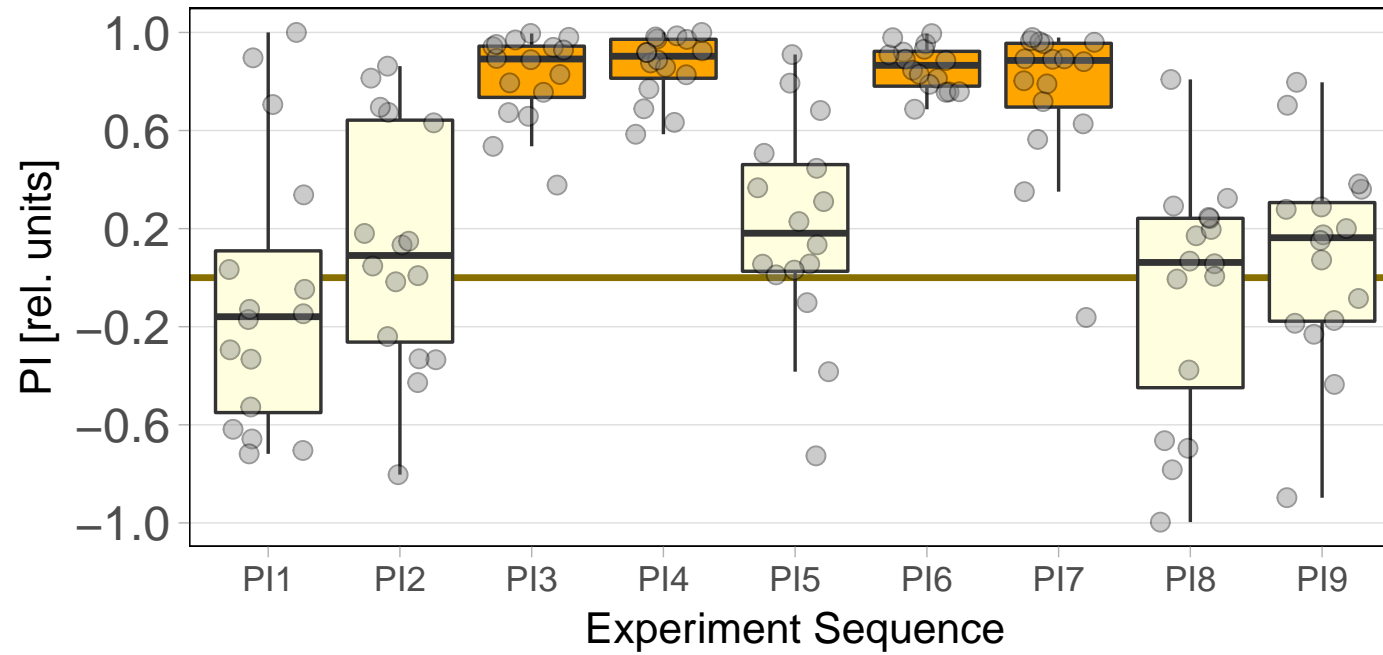
rutabaga mutant , N= 16



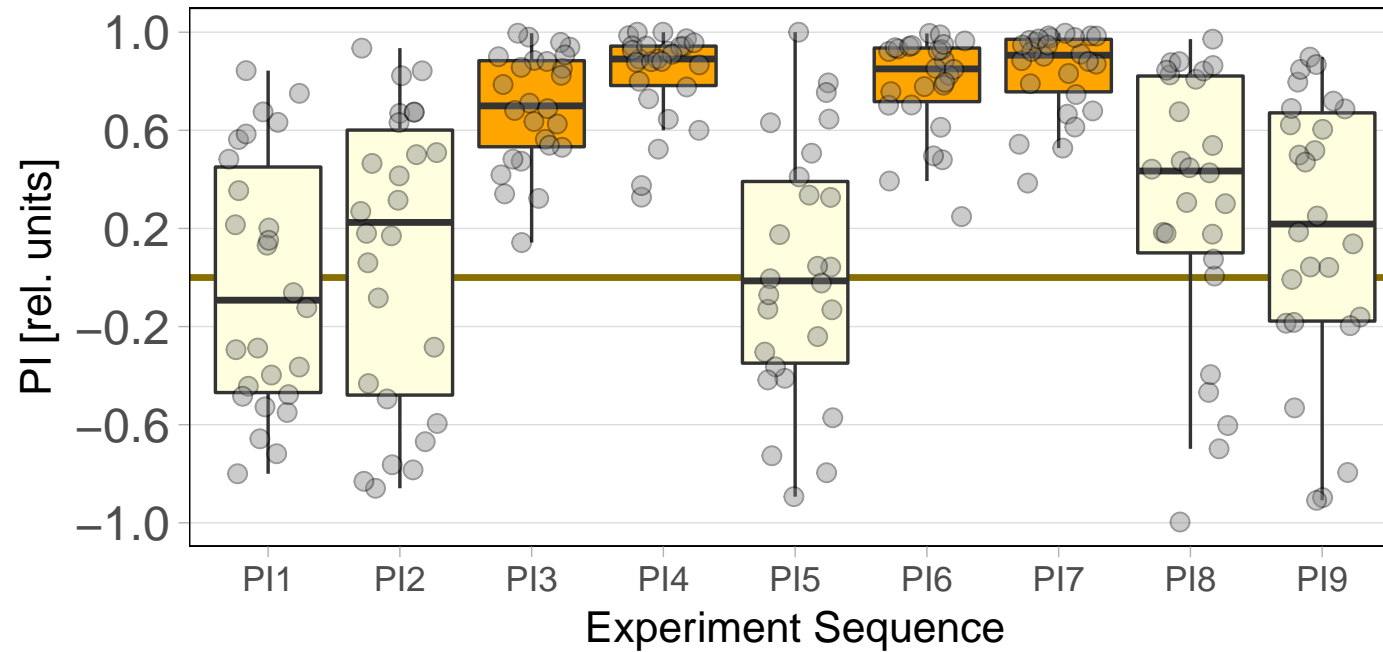
wild type Berlin , N= 26



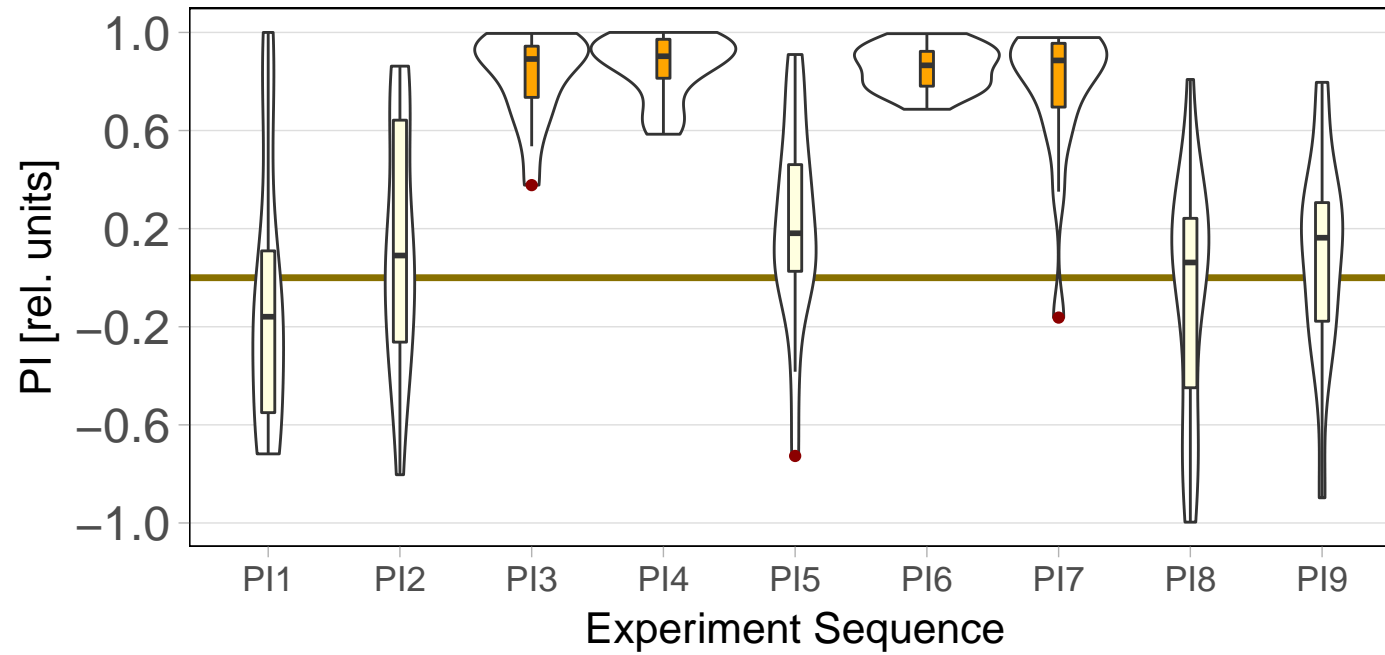
rutabaga mutant , N= 16



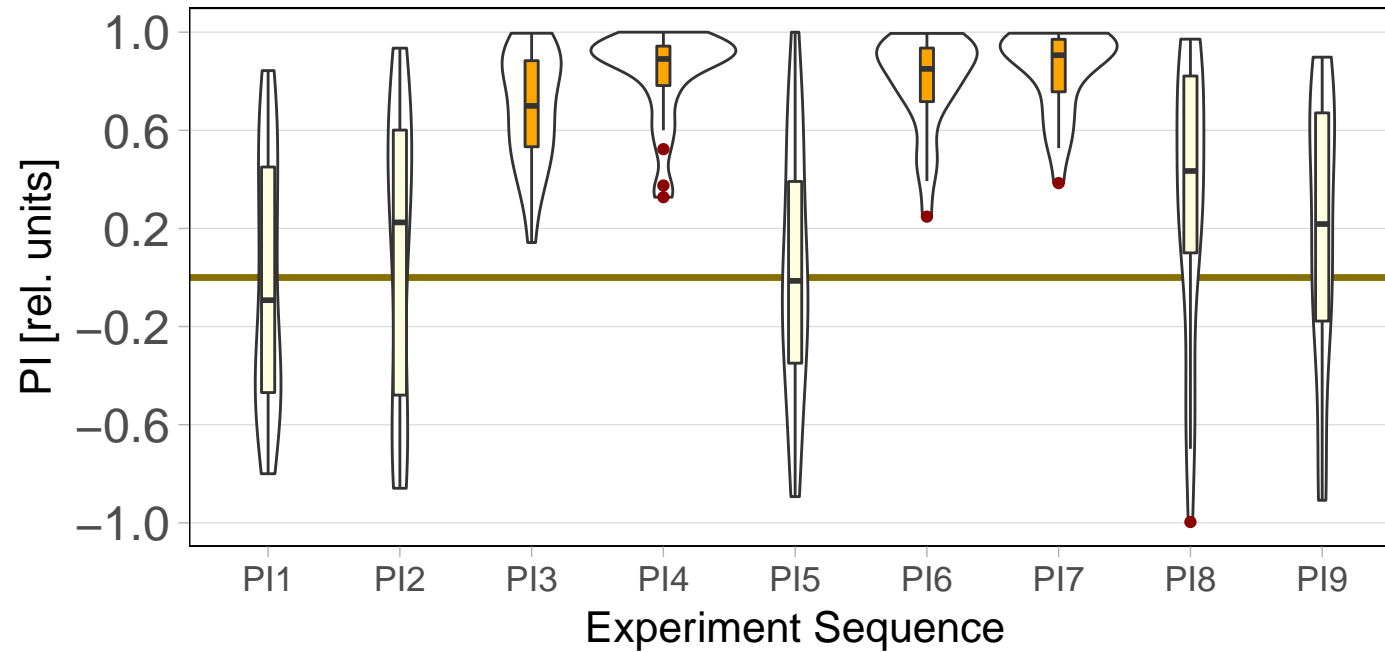
wild type Berlin , N= 26



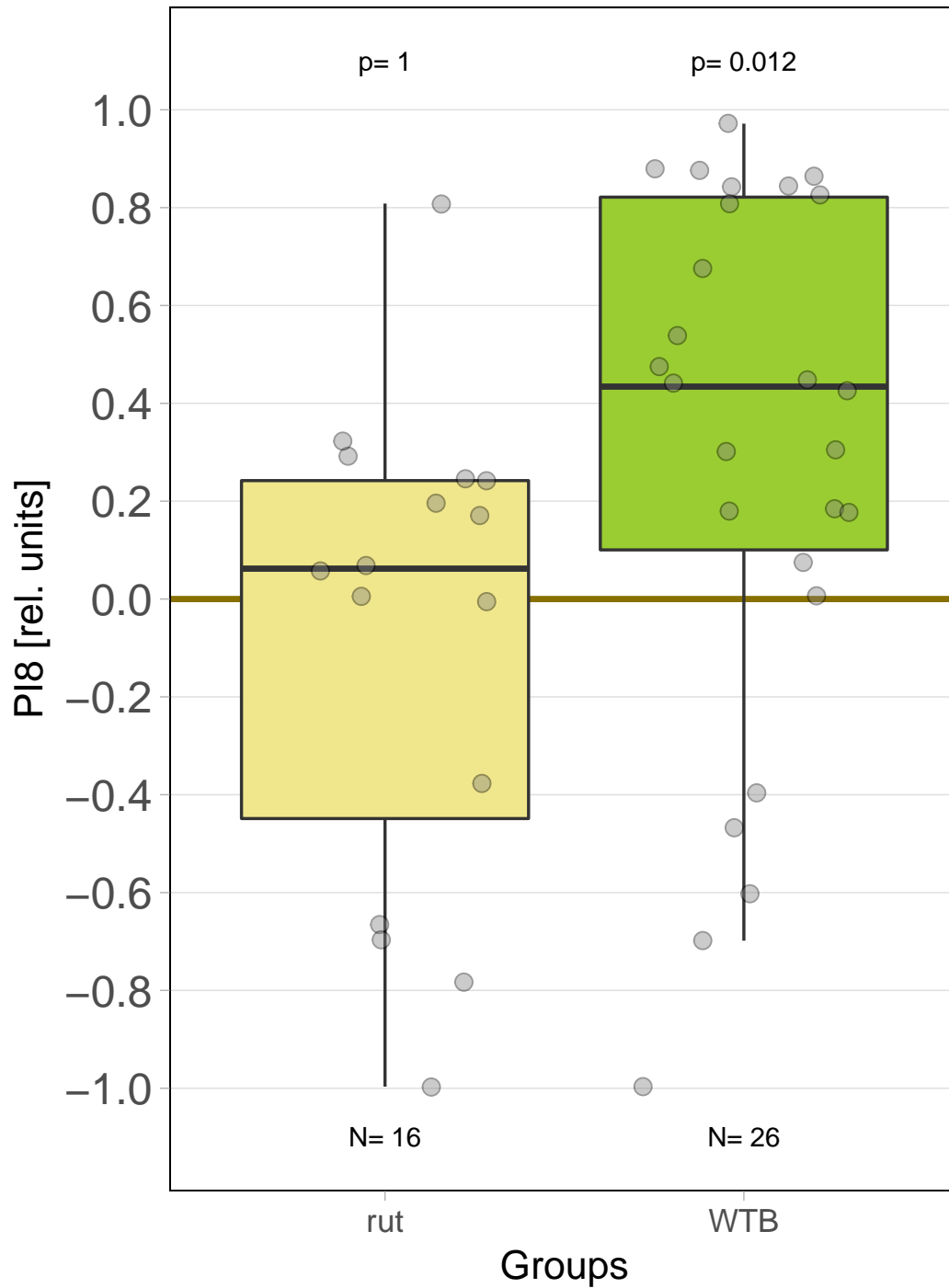
rutabaga mutant , N= 16



wild type Berlin , N= 26

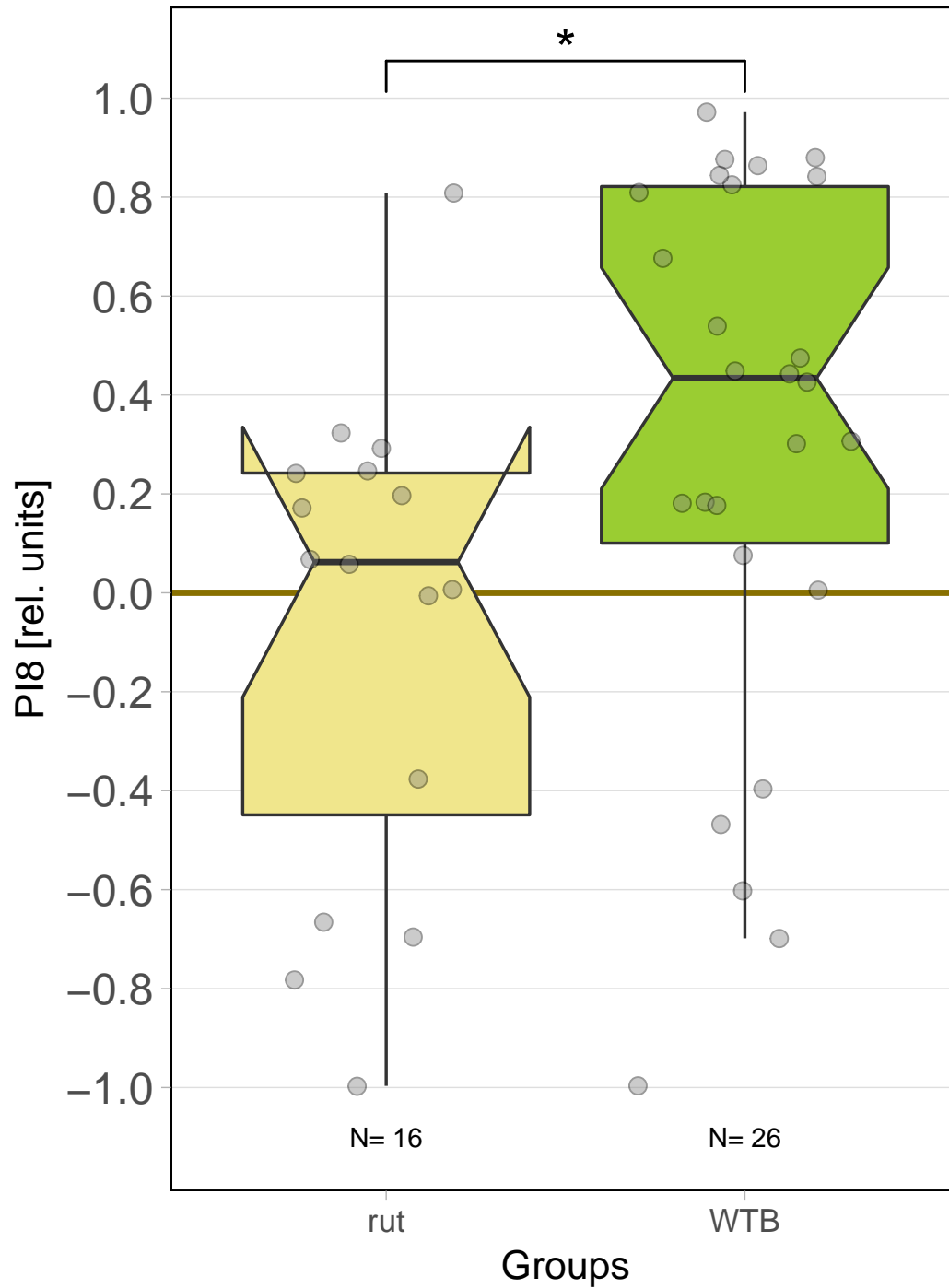


Wilcoxon



	bf	error
<i>rut</i>	0.294	1.41e-05
WTB	5.24	1.3e-05

U-Test, $p = 0.012$



	values
Significance level	0.05
MW U-Test, W	110
Cohen's D	-0.711
stat. Power	0.71
Bayes Factor	2.13
Bayes Factor error	2.26e-05
FP risk, prior 0.5	0.0785
FP risk, prior 0.9	0.00938
Likelihood Ratio	11.7