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Department of Pathology
and Laboratory Medicine,
Biochemical Genectis Section

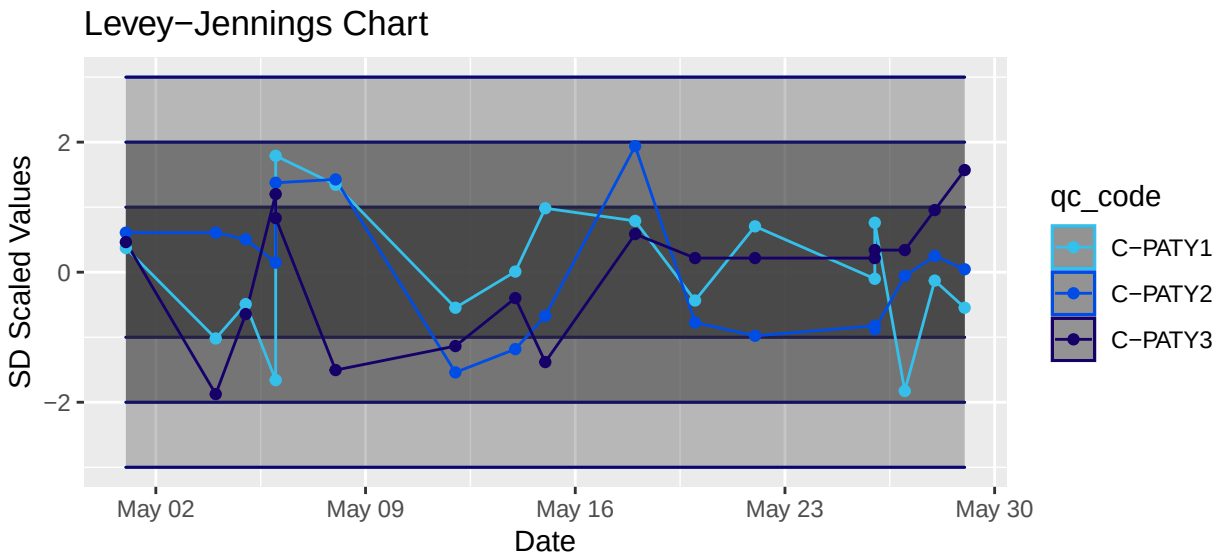
Basic QC Report

This is an example of a R Markdown document for creating basic reports. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com and https://bookdown.org/yihui/rmarkdown/.

QC Data Table (2022-05-01 to 2022-06-01)

QC Code	Analyte	Cal. Mean	Cal. SD	n	Exp. Mean	Exp. SD	Cal. CV%	SDI	SDR
C-PATY1	phe	58.0	3.6	17	61	4.6	6.2	-0.7	1.3
C-PATY2	phe	443.1	19.5	17	453	20.0	4.4	-0.5	1.0
C-PATY3	phe	1452.4	81.3	17	1372	50.0	5.6	1.6	0.6

Note:
SDI stands for standard deviation index and is calculated by substracting the expected and calculated means then dividing by the expected standard deviation (SD) with an ideal value of 0. SDI values between -0.8 to 0.8 are acceptable in my mass spectrometry lab. SDR is the standard deviation ratio and is calculated by dividing the expected SD by the calculated SD with an ideal value of 1. SDR values between 0.3 to 1.1 are acceptable in my mass spectrometry lab.



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