

Validation Report

OncoPlotter (Version 0.3.8)

Ryo Nakaya

29JAN2026

General Information

OncoPlotter is a SAS macro package designed to easily generate key figures typically required in oncology clinical trials. It supports Kaplan-Meier plots, Swimmer plots, and Waterfall plots ready for both clinical study reports and publications. The package also provides dummy datasets, allowing you to test each macro without preparing your own data. This makes it especially useful for both beginners and advanced users in the oncology data field.

Validation Environment

OS: WIN

SAS: 9.04.01M7P080520

Required Packages: -

Execution Datetime: 29JAN2026:11:22:44

Authors

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Requirements

- %kaplan_meier_plot :
 - Creates survival curves by treatment group
 - Displays censoring marks and number-at-risk below the plot
 - Fully customizable axis labels, line colors, patterns, and plot titles
 - Option to output generated SAS code via the `MFILE` option
 - Includes internal dummy dataset (`dummy_adtte`) for quick testing
- %swimmer_plot :
 - Visualizes individual treatment durations, responses, ongoing treatments, and death
 - Accepts ADSL and ADRS-format input datasets
 - Color grouping by disease stage and response categories (e.g., CR, PR, SD, PD)
 - Allows customization of plot size, subjects per page, and theme colors
 - Supports predefined color styles like `OncoPlotter`, `Kyoto`, `Osaka`, and more
- %waterfall_plot :
 - Displays percentage tumor size change for each subject as bars
 - Bars are grouped and color-coded by response or treatment group
 - Includes threshold lines for PR/PD classification
 - Suitable for visualizing best overall response

Validation Records

Test Description	Result	Comments
(%swimmer_plot)[test01] Default parameter test (1/3)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test01] Default parameter test (2/3)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test01] Default parameter test (3/3)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test02] Standard parameters test (1/2)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test02] Standard parameters test (2/2)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test03] colorStyle=Salmon Vertically oriented (portrait) chart (1/2)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test03] colorStyle=Salmon Vertically oriented (portrait) chart (2/2)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test04] colorStyle=Kawaii interval=Day parameter test (1/2)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test04] colorStyle=Kawaii interval=Day parameter test (2/2)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test05] colorStyle=Kyoto interval=week (1/2)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test05] colorStyle=Kyoto interval=week (2/2)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test06] colorStyle=Osaka interval=Day (1/2)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test06] colorStyle=Osaka interval=Day (2/2)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test07] colorStyle=null Individually specify the colors and symbols (1/2)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test07] colorStyle=null Individually specify the colors and symbols (2/2)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test08] groupvar colorStyle=null Individually specify the colors and symbols (1/3)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test08] groupvar colorStyle=null Individually specify the colors and symbols (2/3)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.
(%swimmer_plot)[test08] groupvar colorStyle=null Individually specify the colors and symbols (3/3)	CHECK	MP_ASSERTGRAPH: Two graphs to be visually compared. See appendix.

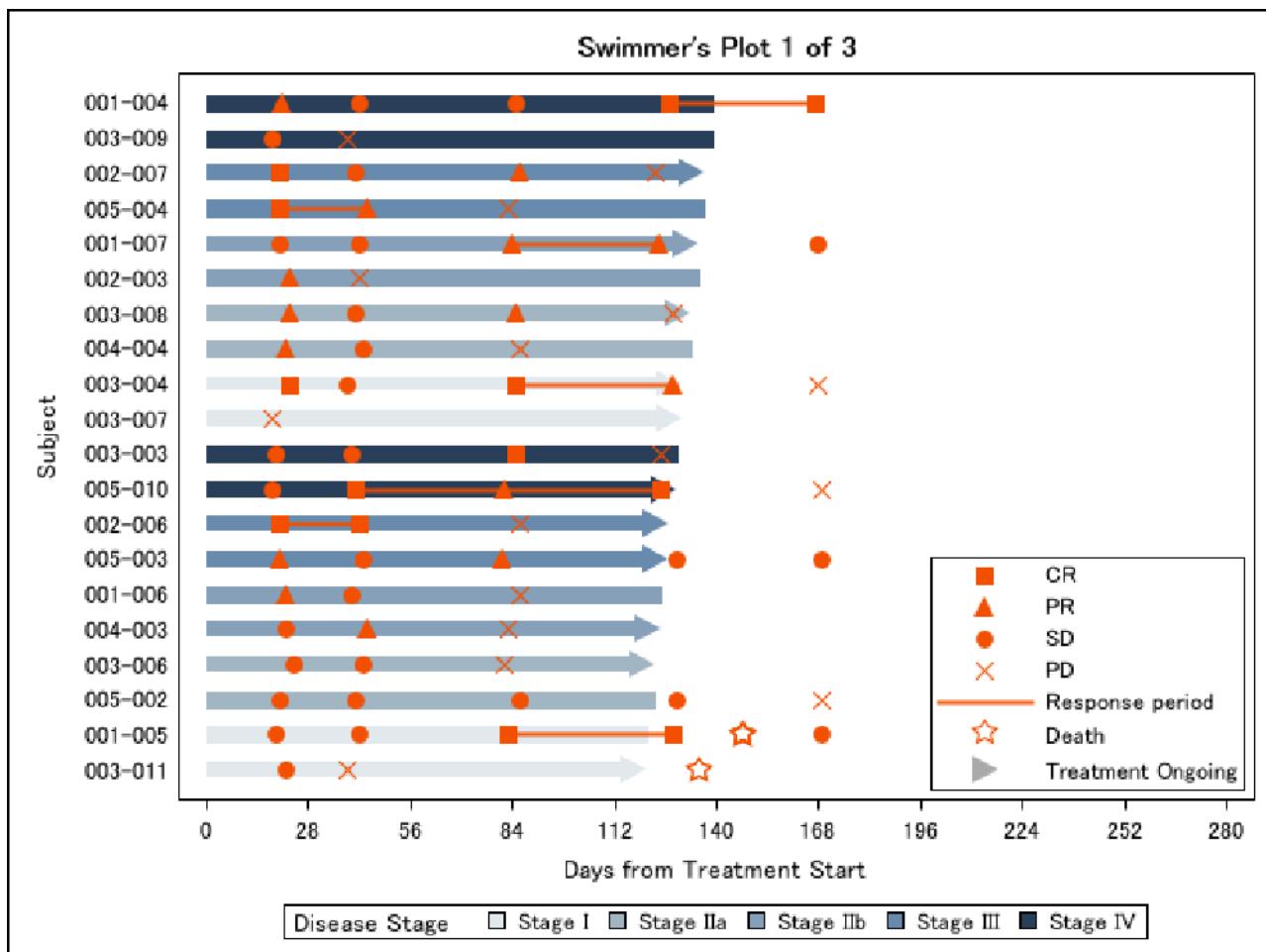
Additional comments

NA

References

<https://github.com/PharmaForest/oncoplotter>

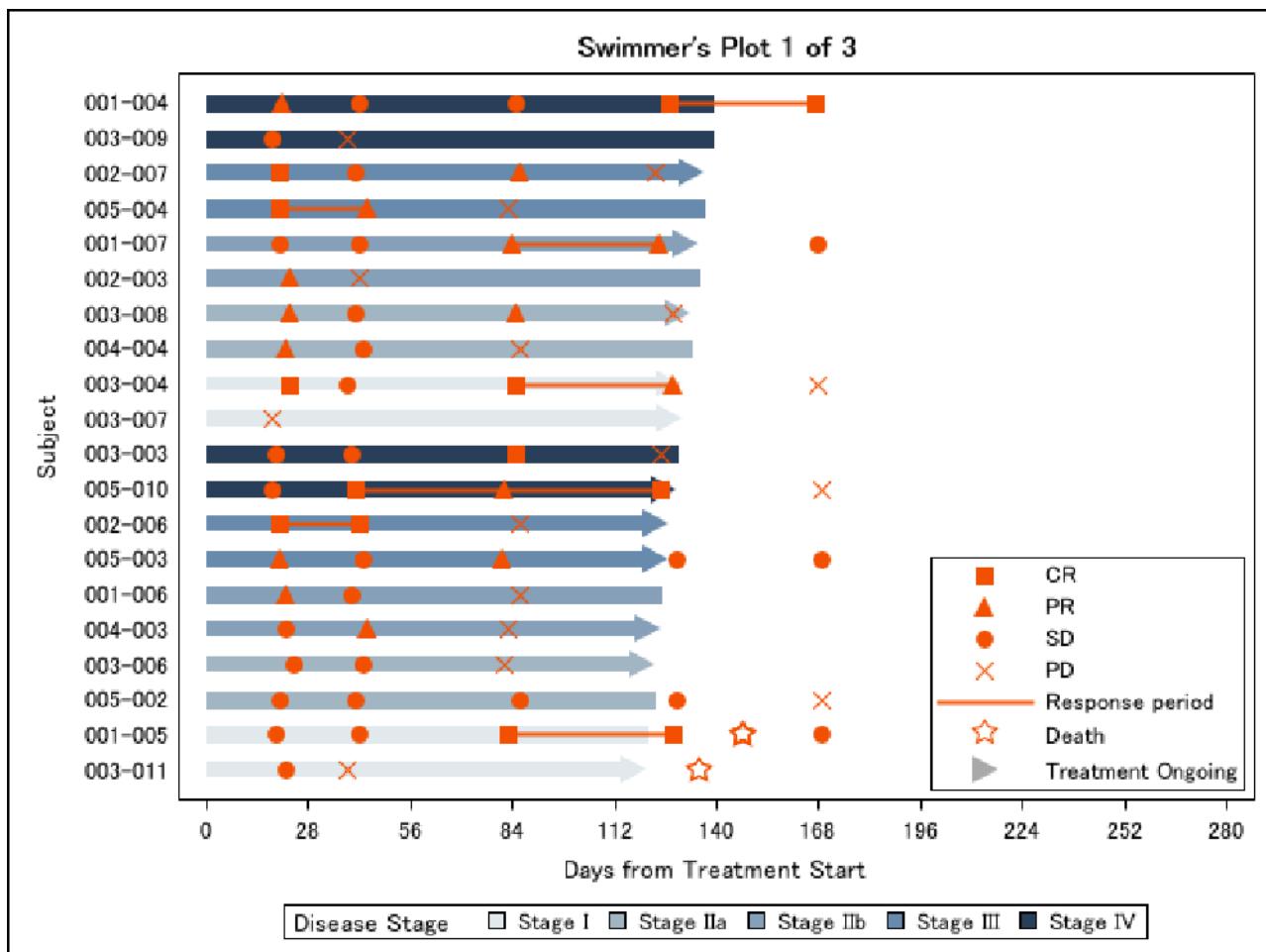
Appendix



(%swimmer_plot)

[test01]

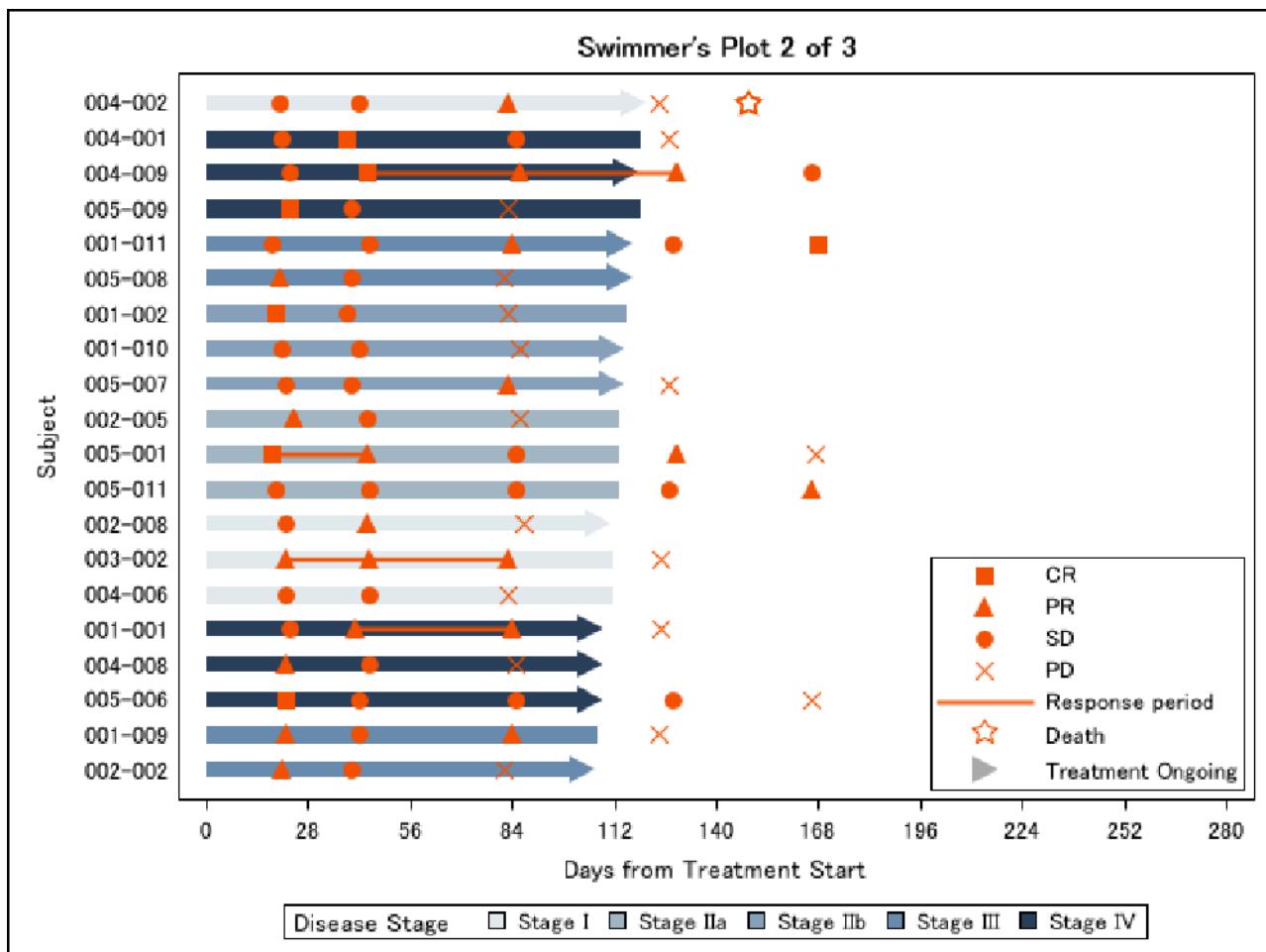
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(%swimmer_plot)

[test01]

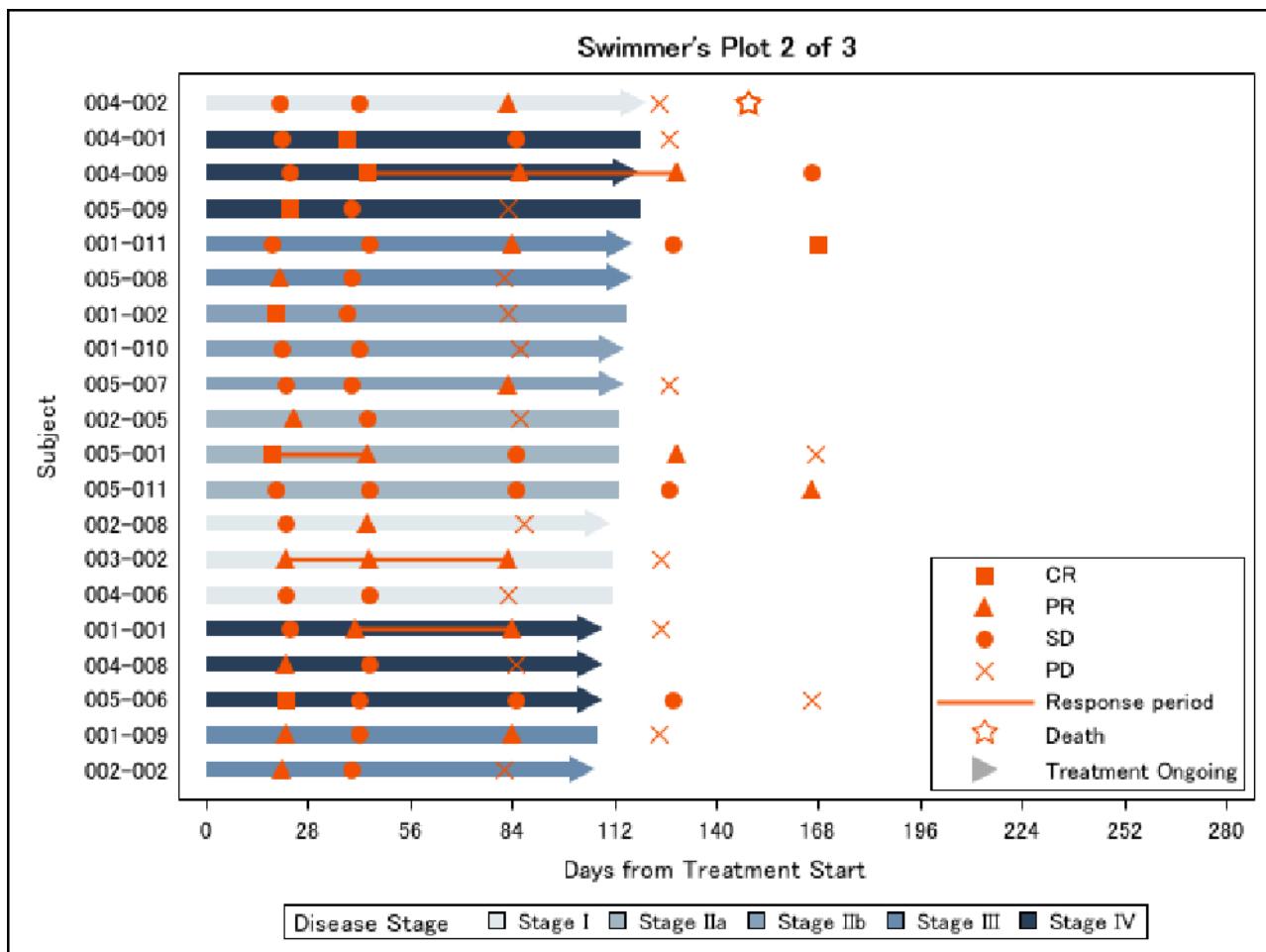
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(%swimmer_plot)

[test01]

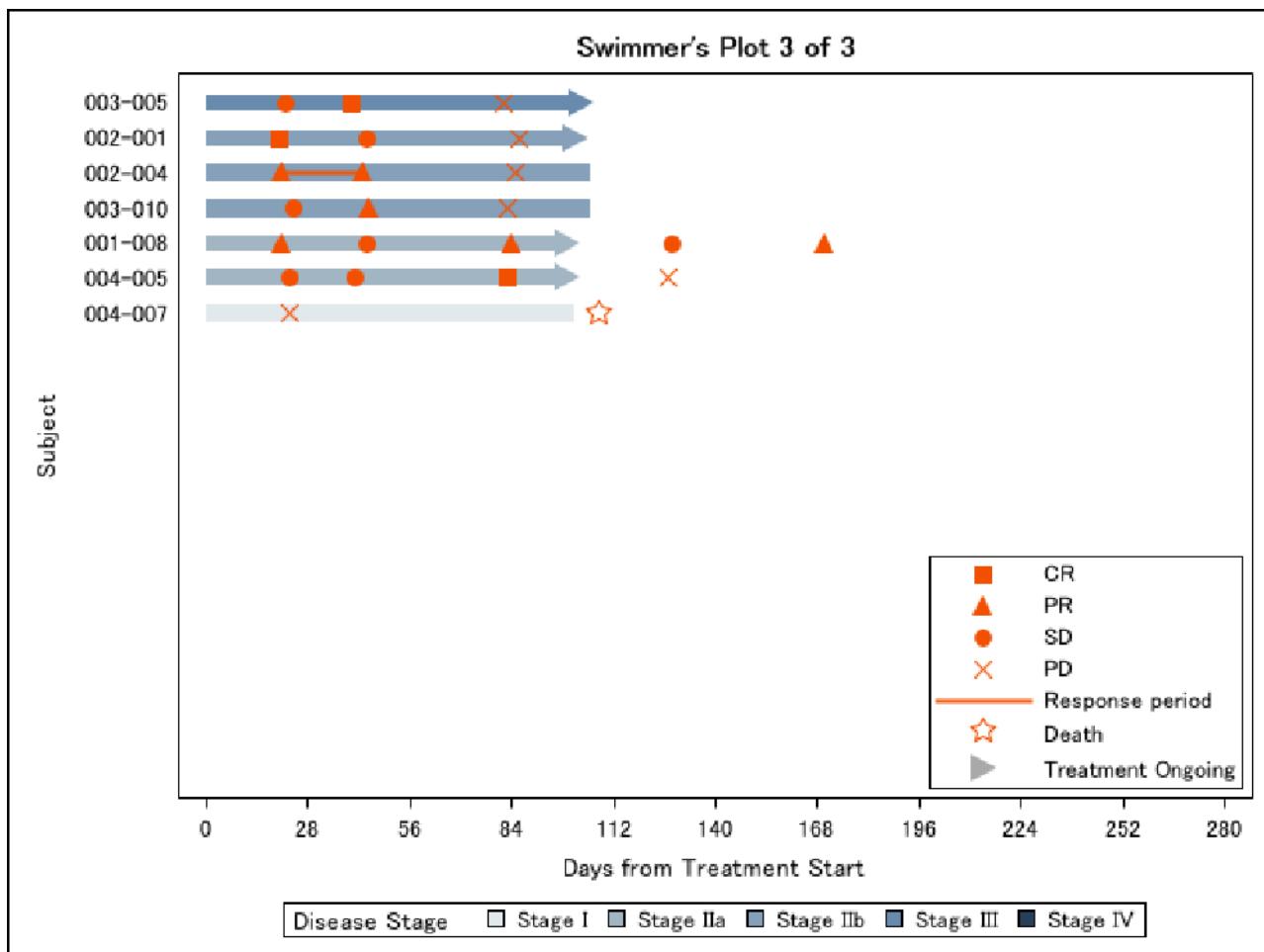
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(%swimmer_plot)

[test01]

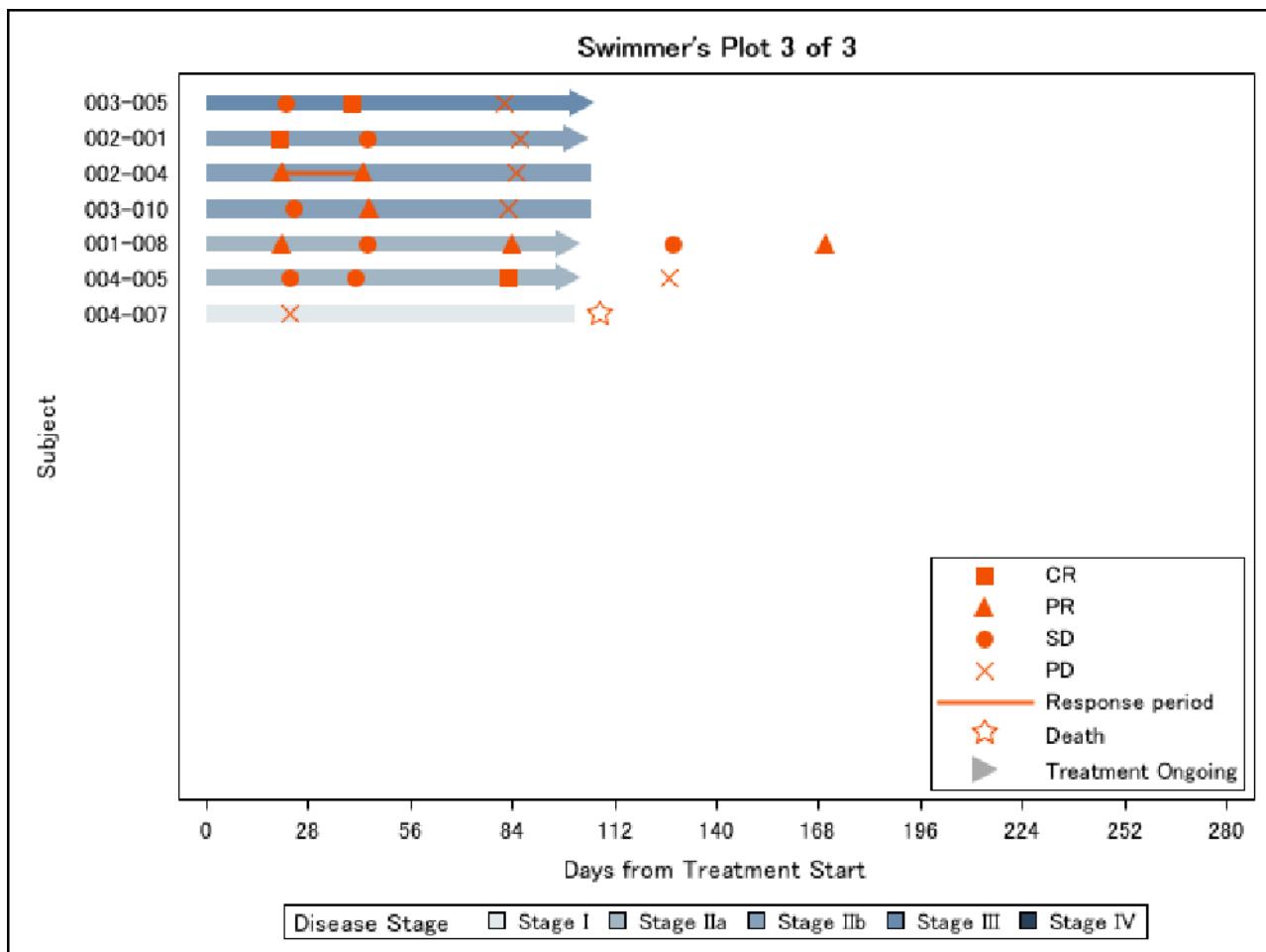
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(%swimmer_plot)

[test01]

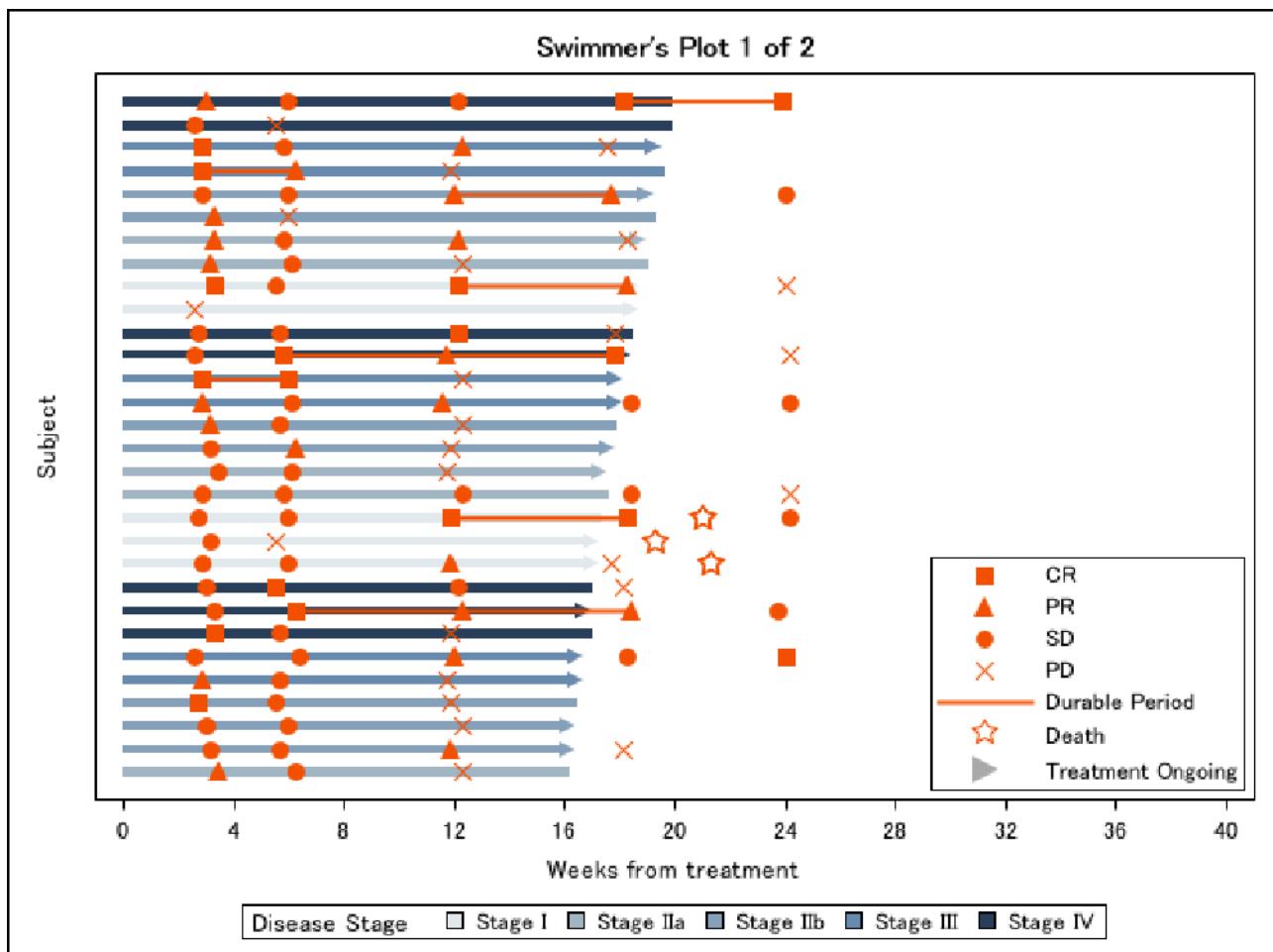
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(%swimmer_plot)

[test01]

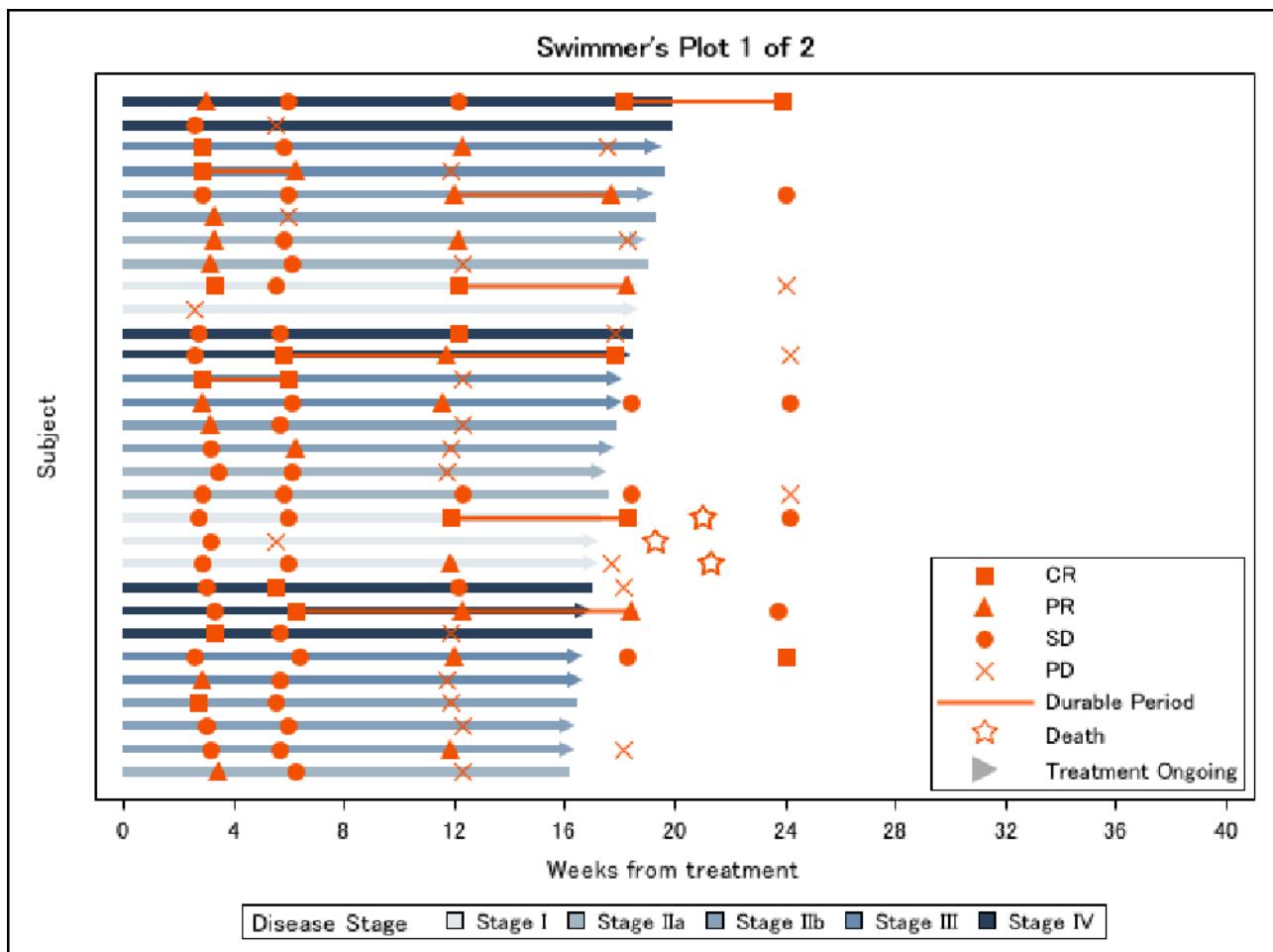
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(%swimmer_plot)

[test02]

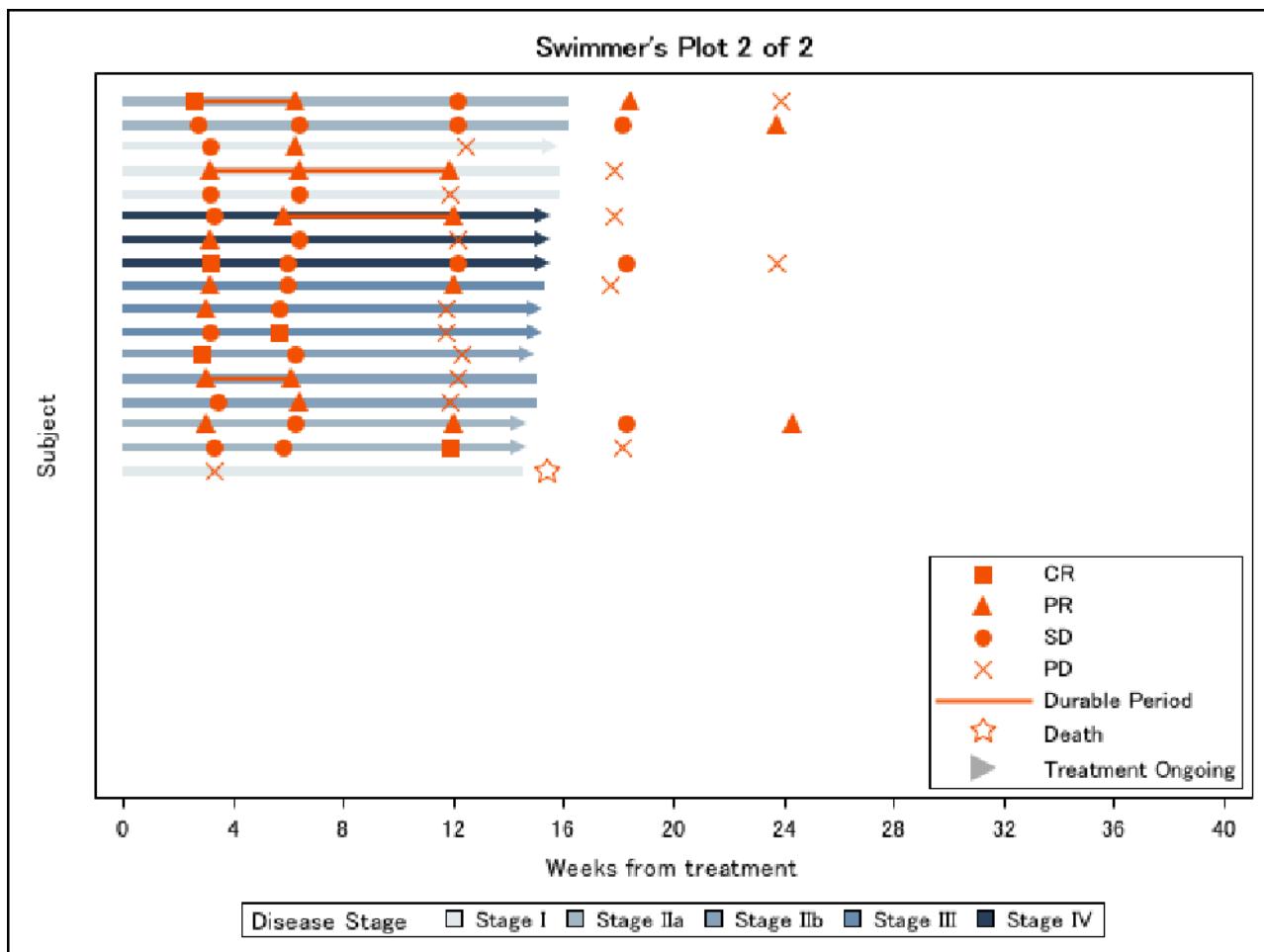
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(%swimmer_plot)

[test02]

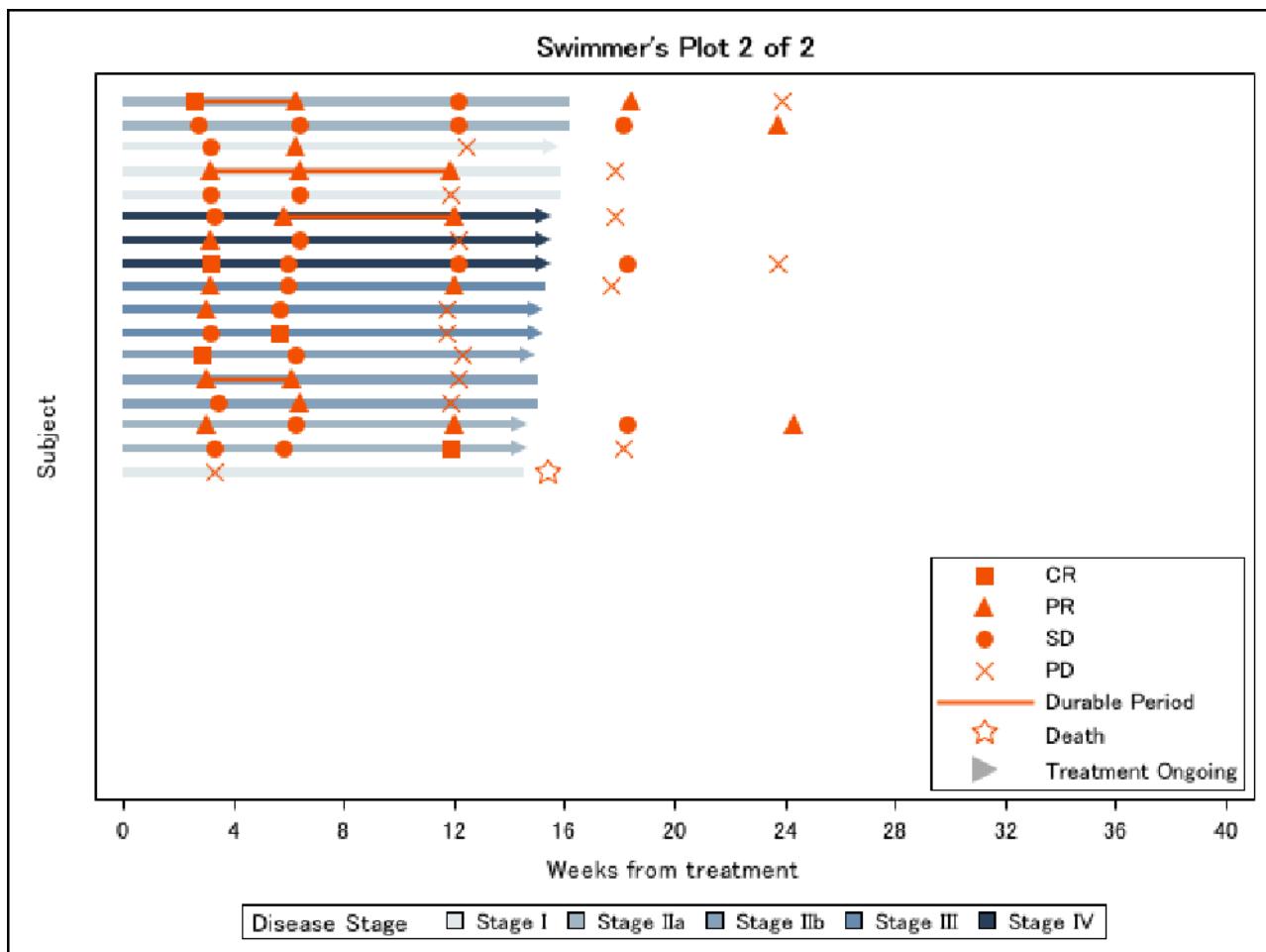
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(%swimmer_plot)

[test02]

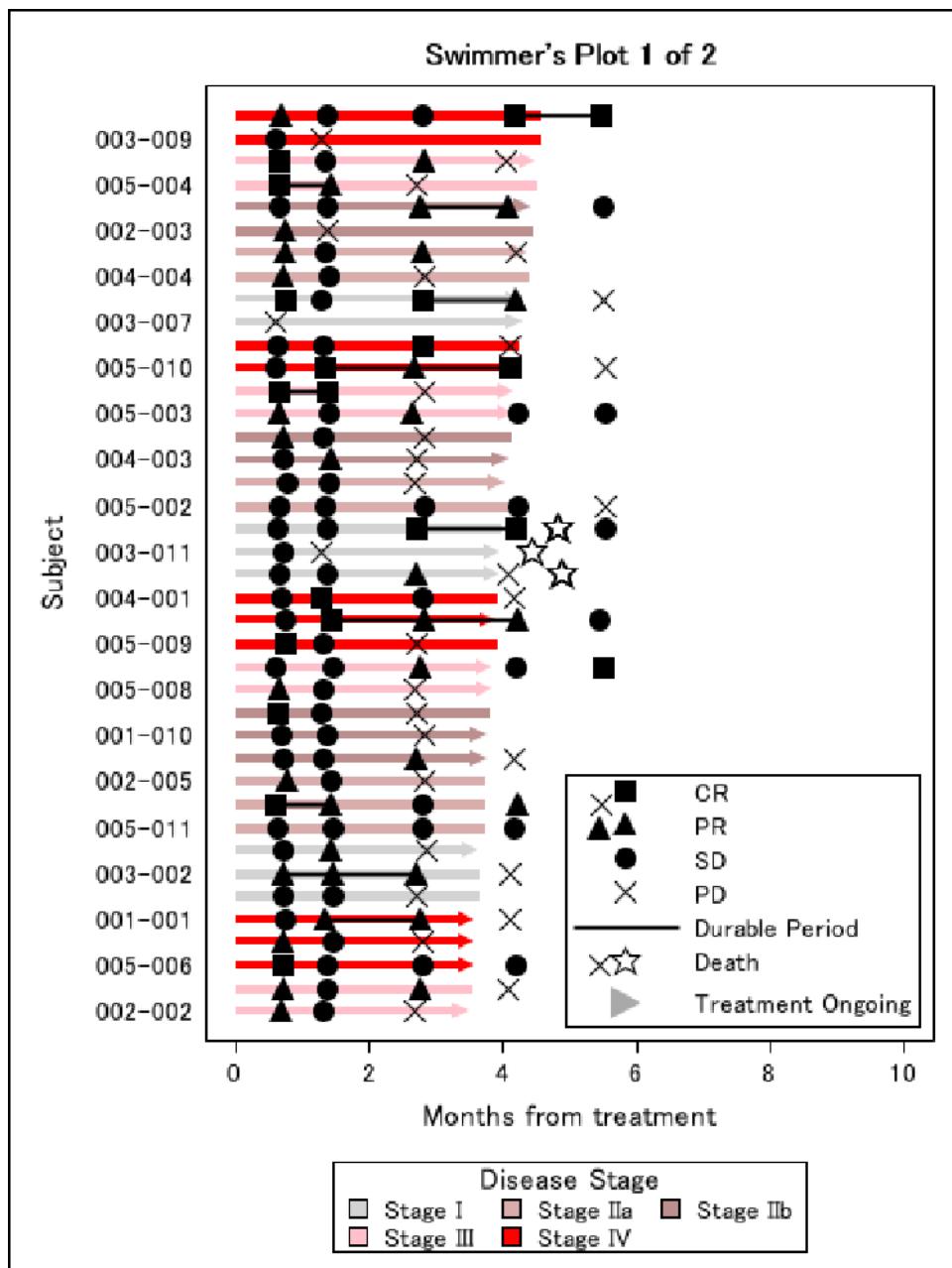
Previous



(%swimmer_plot)

[test02]

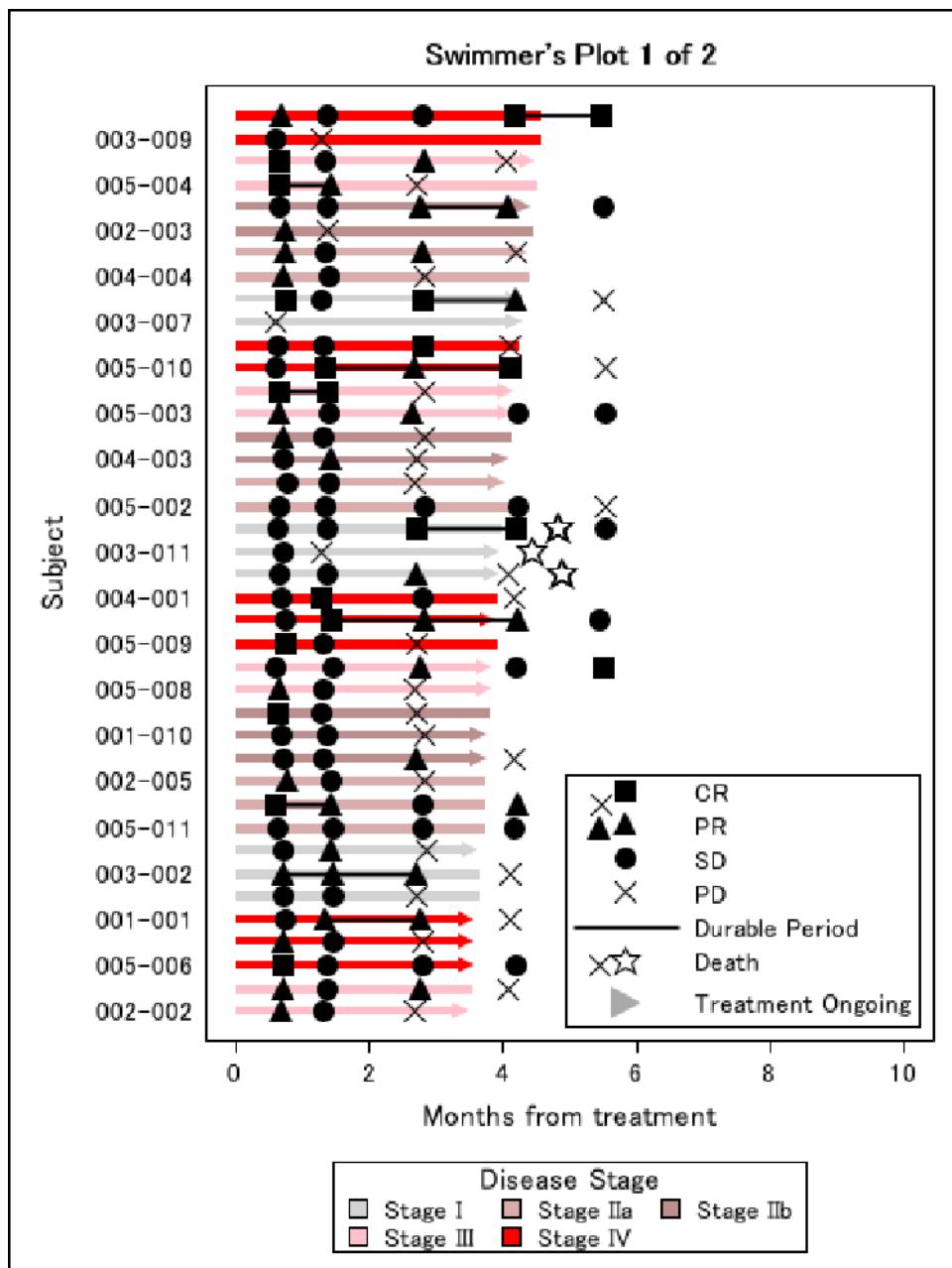
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(%swimmer_plot)

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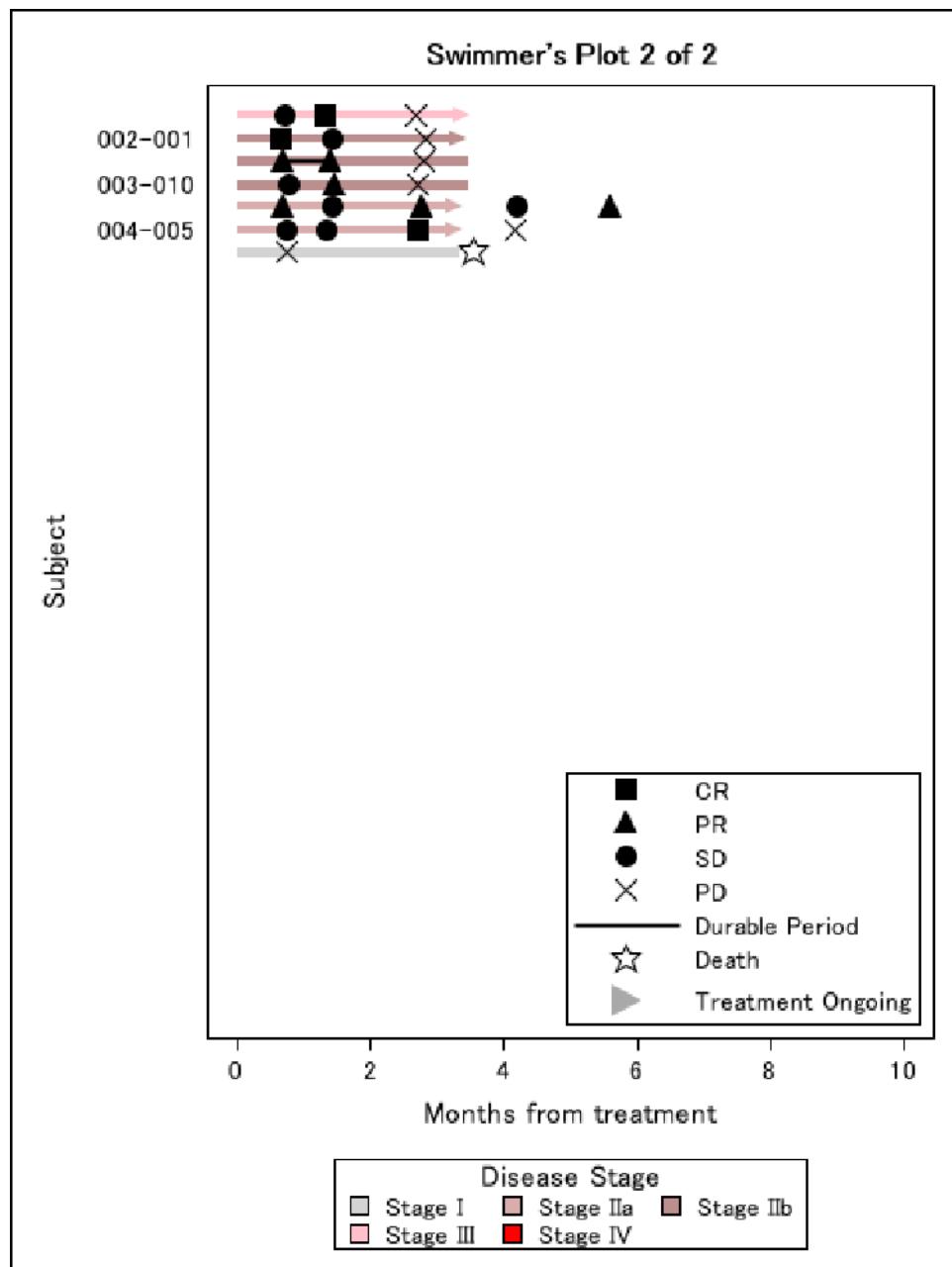
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(%swimmer_plot)

[test03]

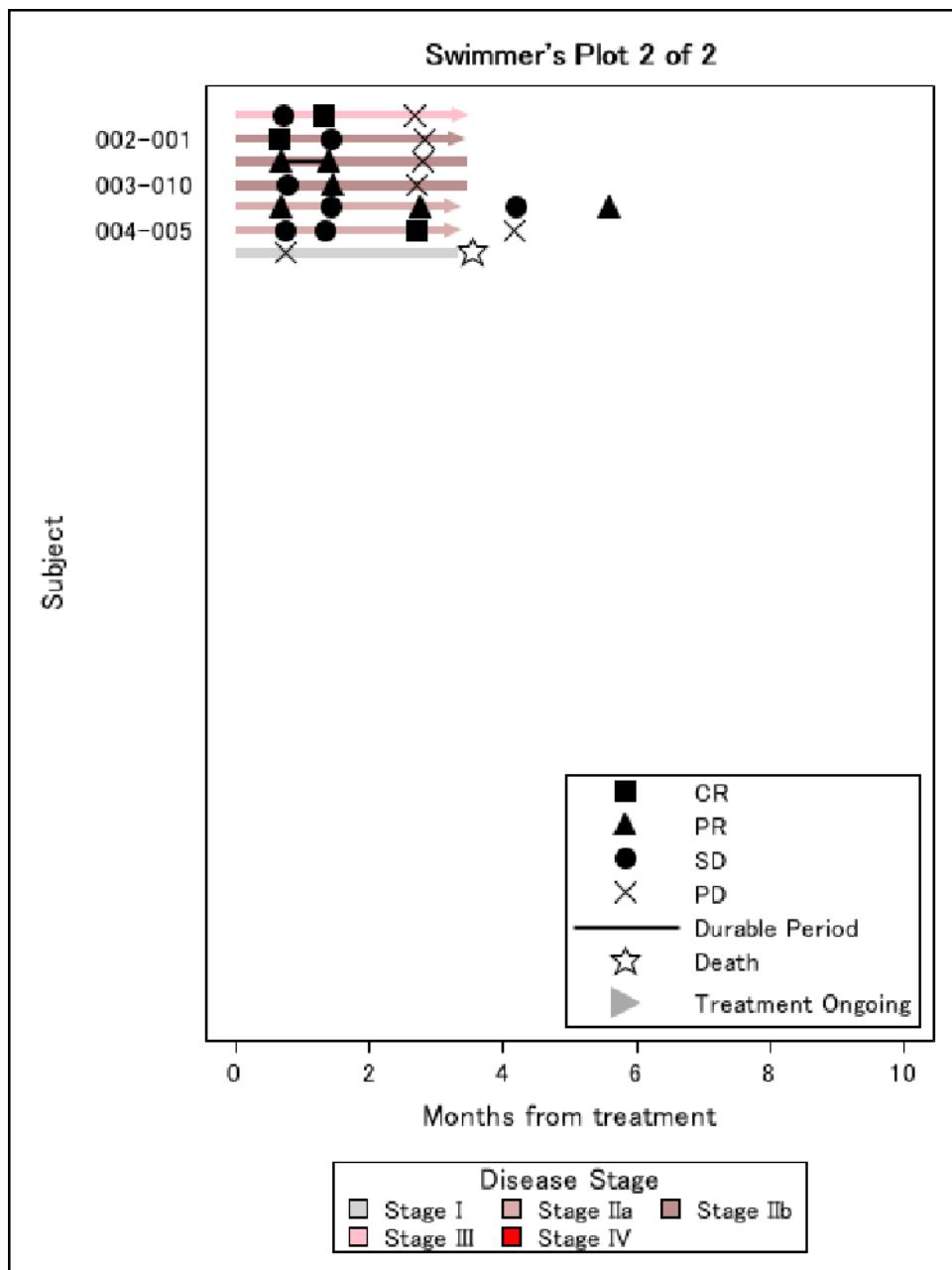
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(%swimmer_plot)

[test03]

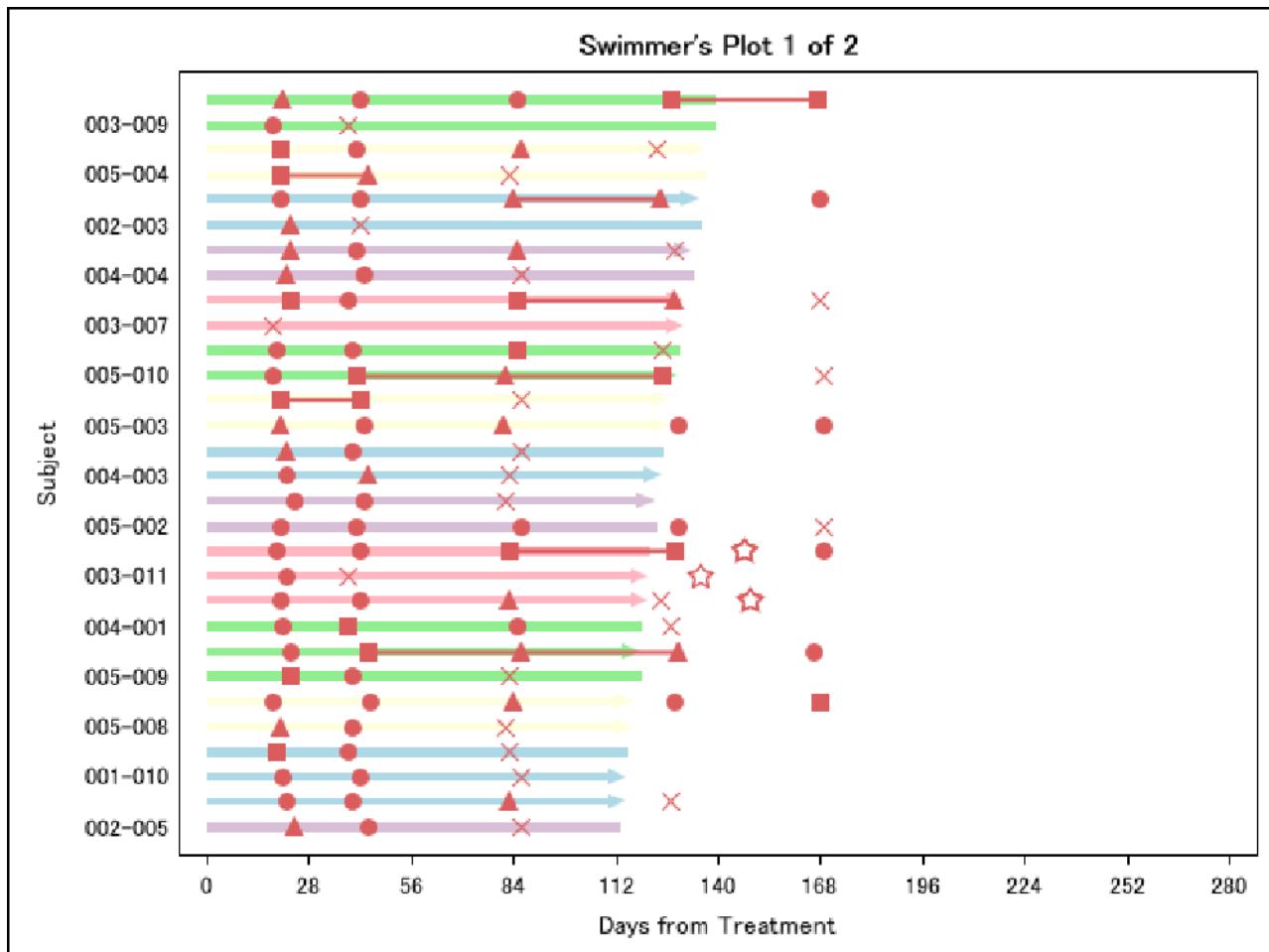
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(%swimmer_plot)

[test03]

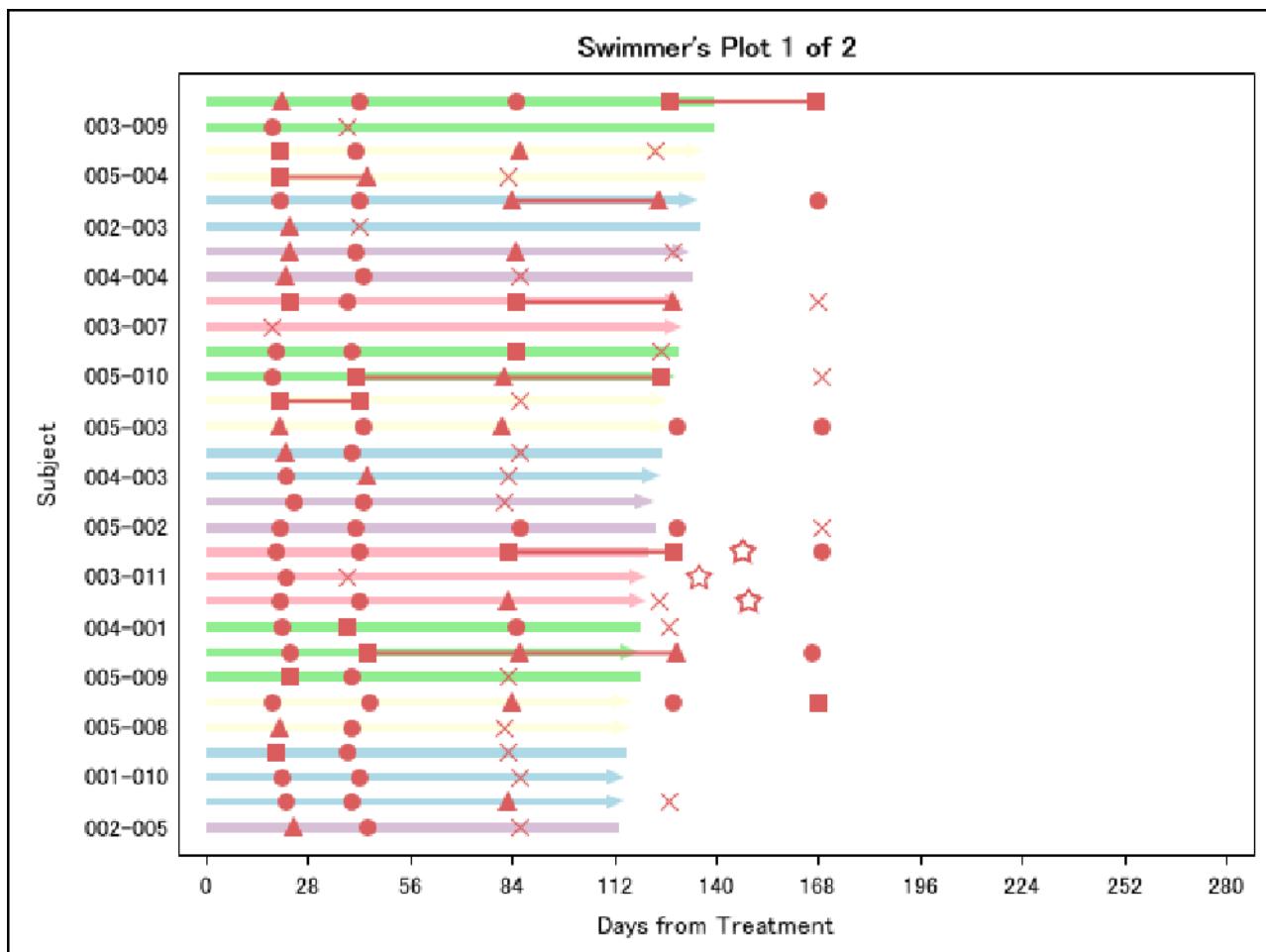
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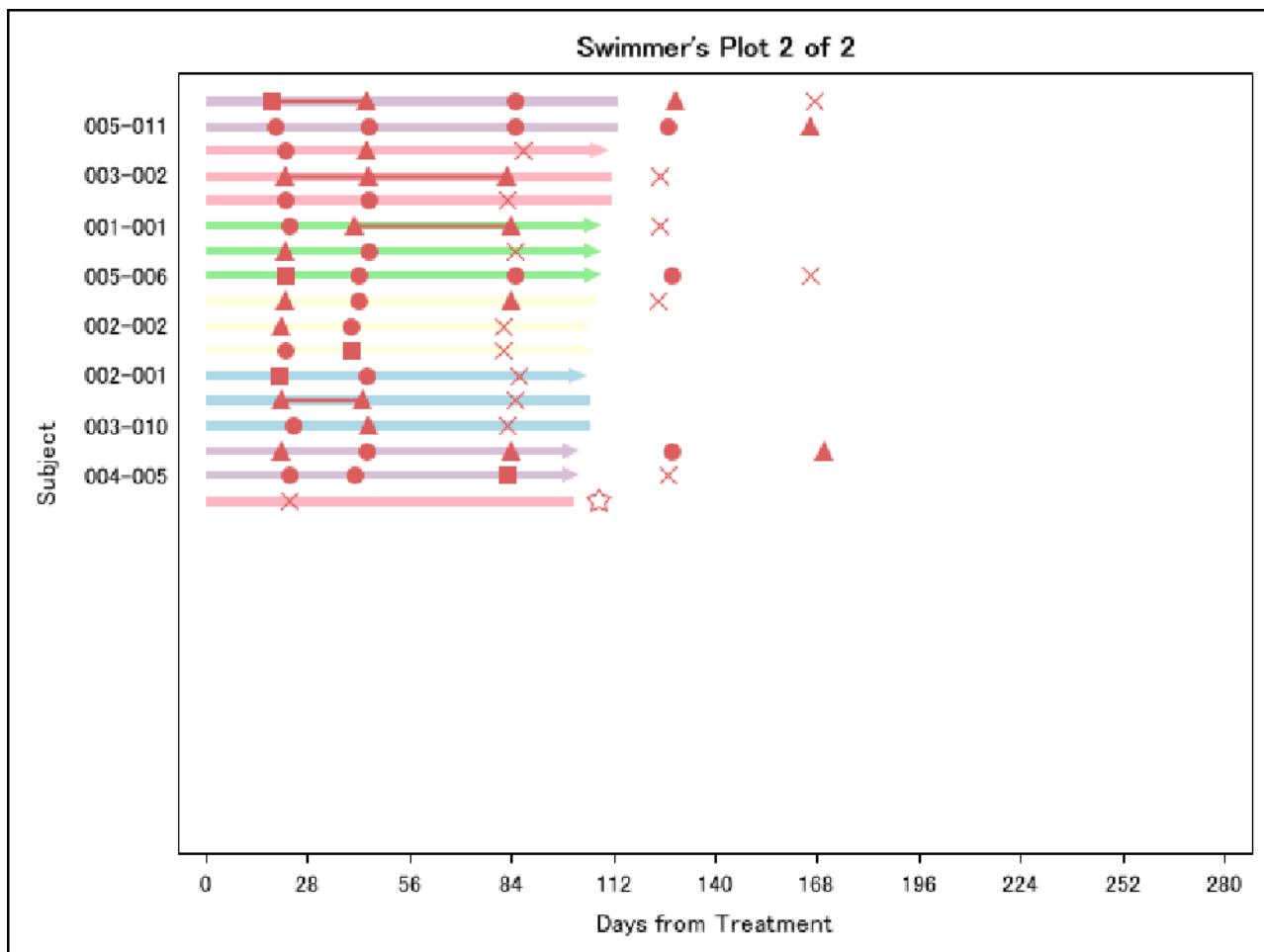
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[test04]

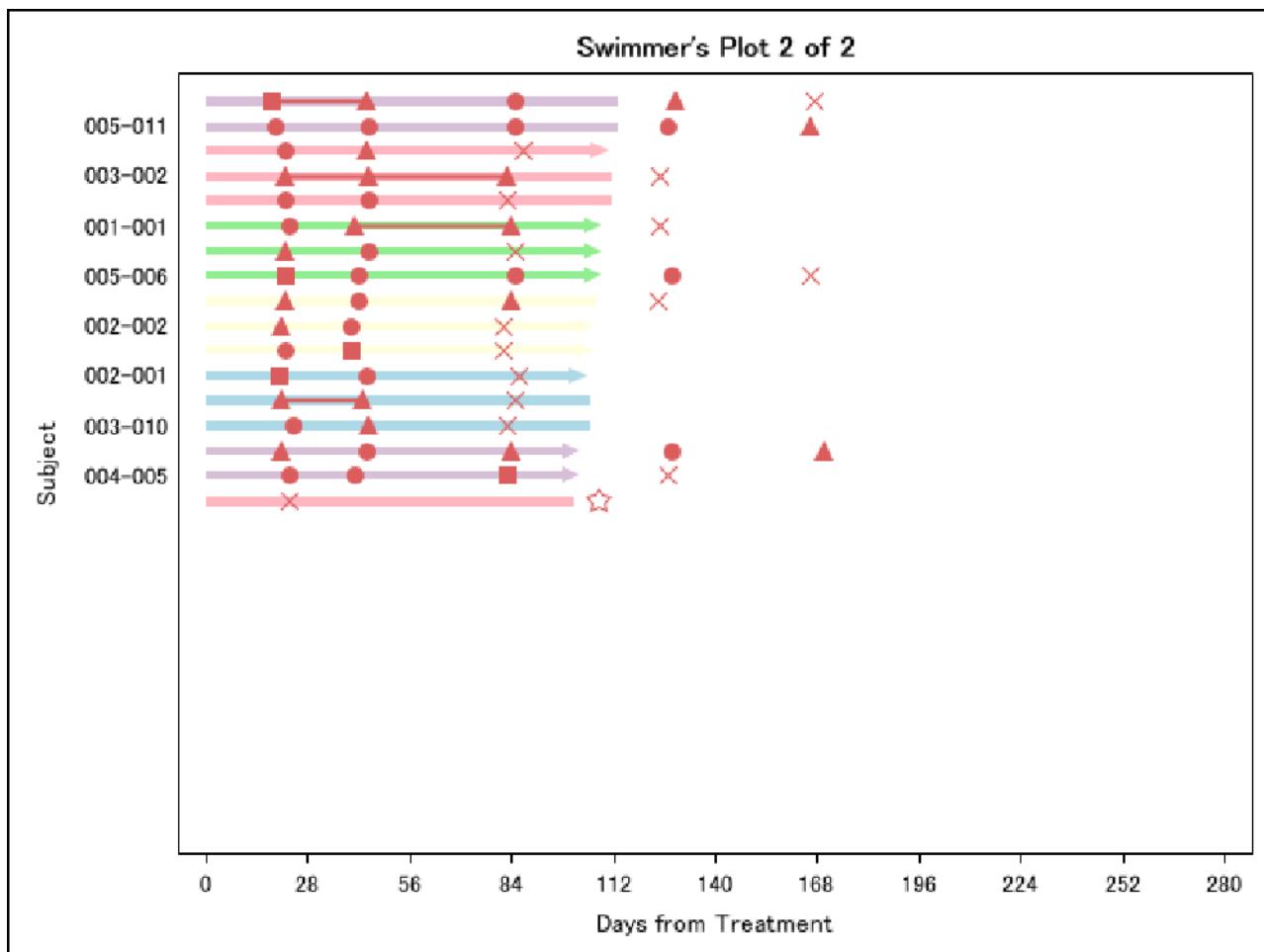
[Section 1] Previous



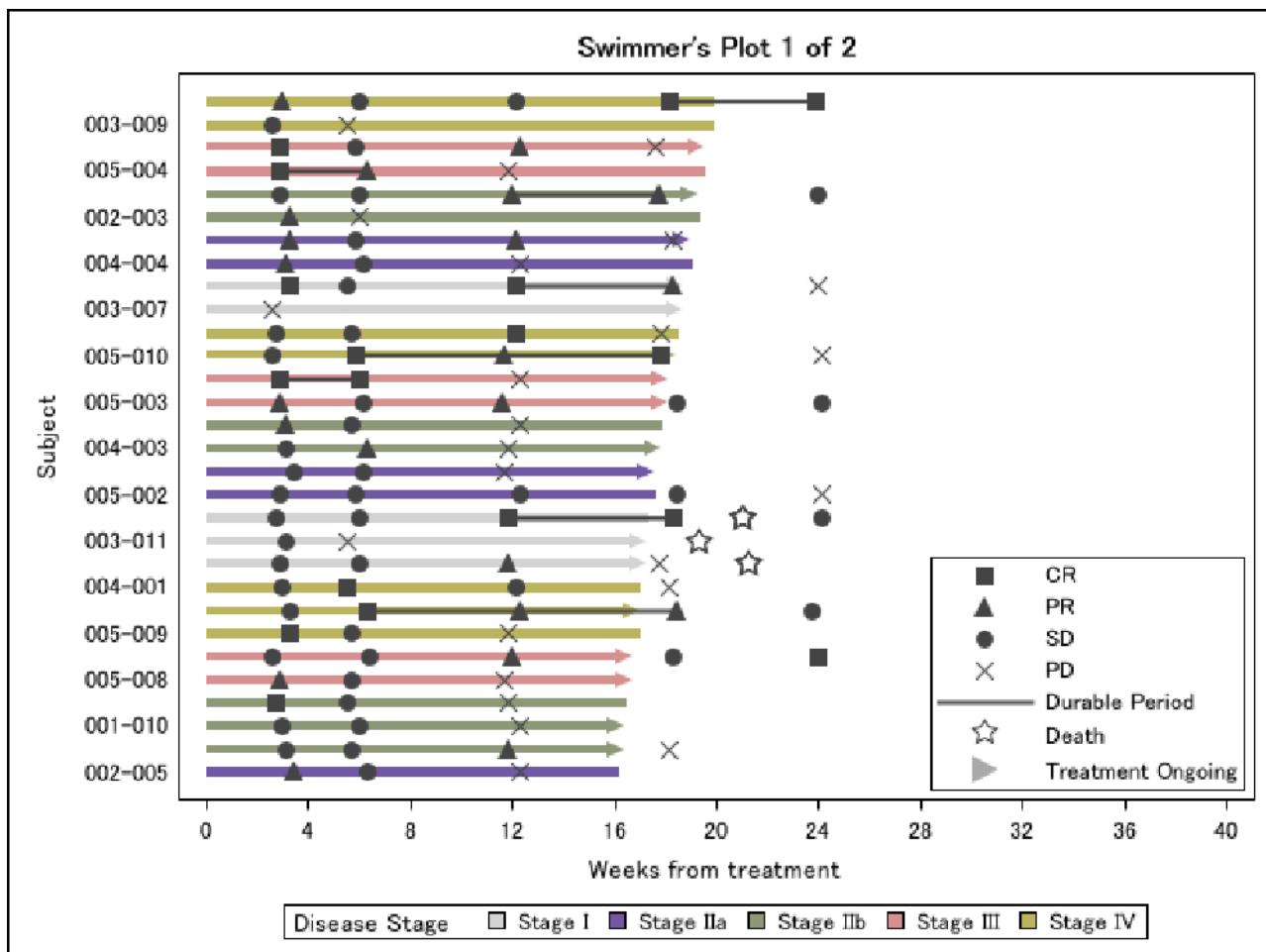
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 [test04]
 Current



(%swimmer_plot)
[test04]
Previous



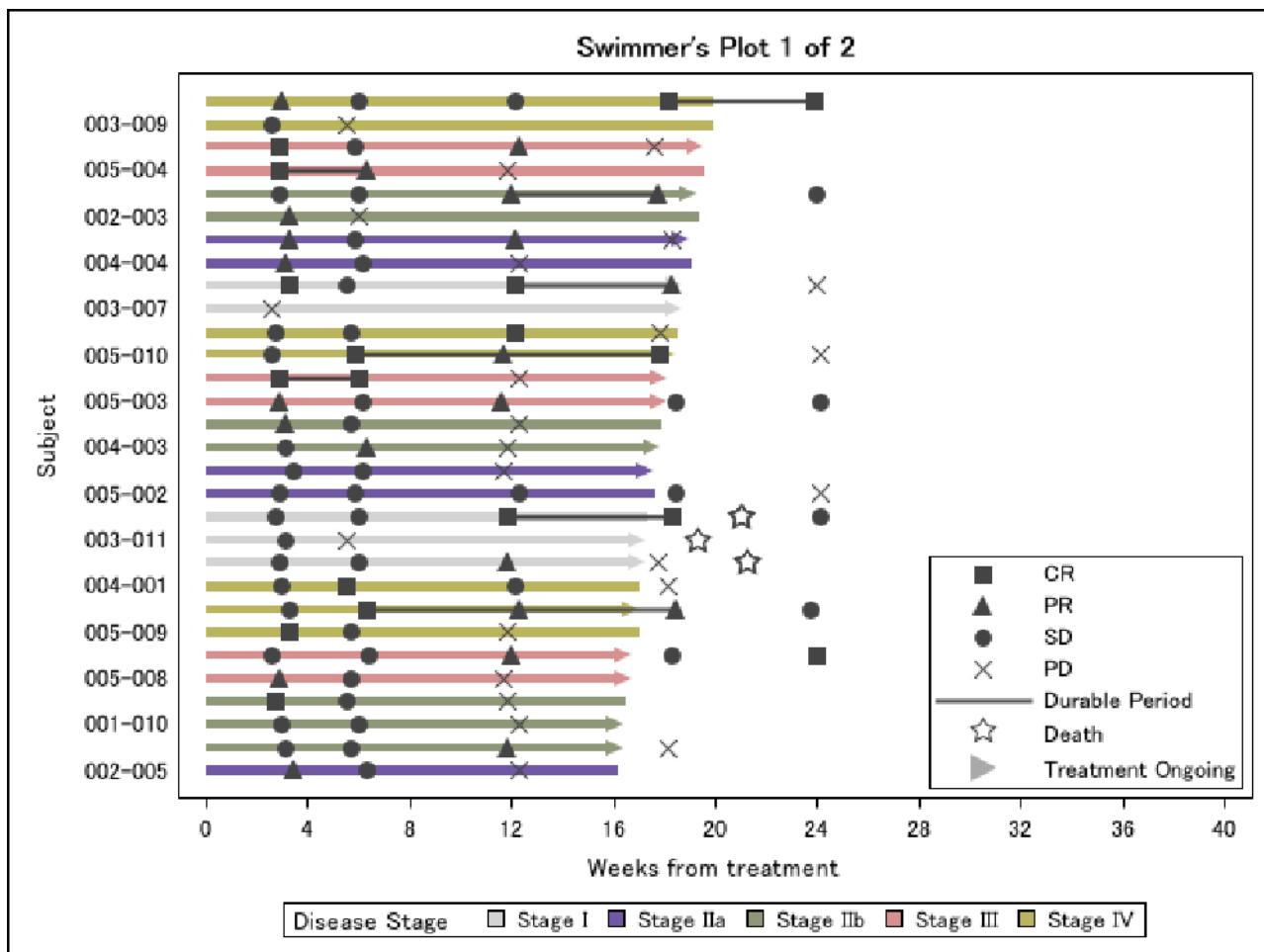
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[test04]
Current



(%swimmer_plot)

[test05]

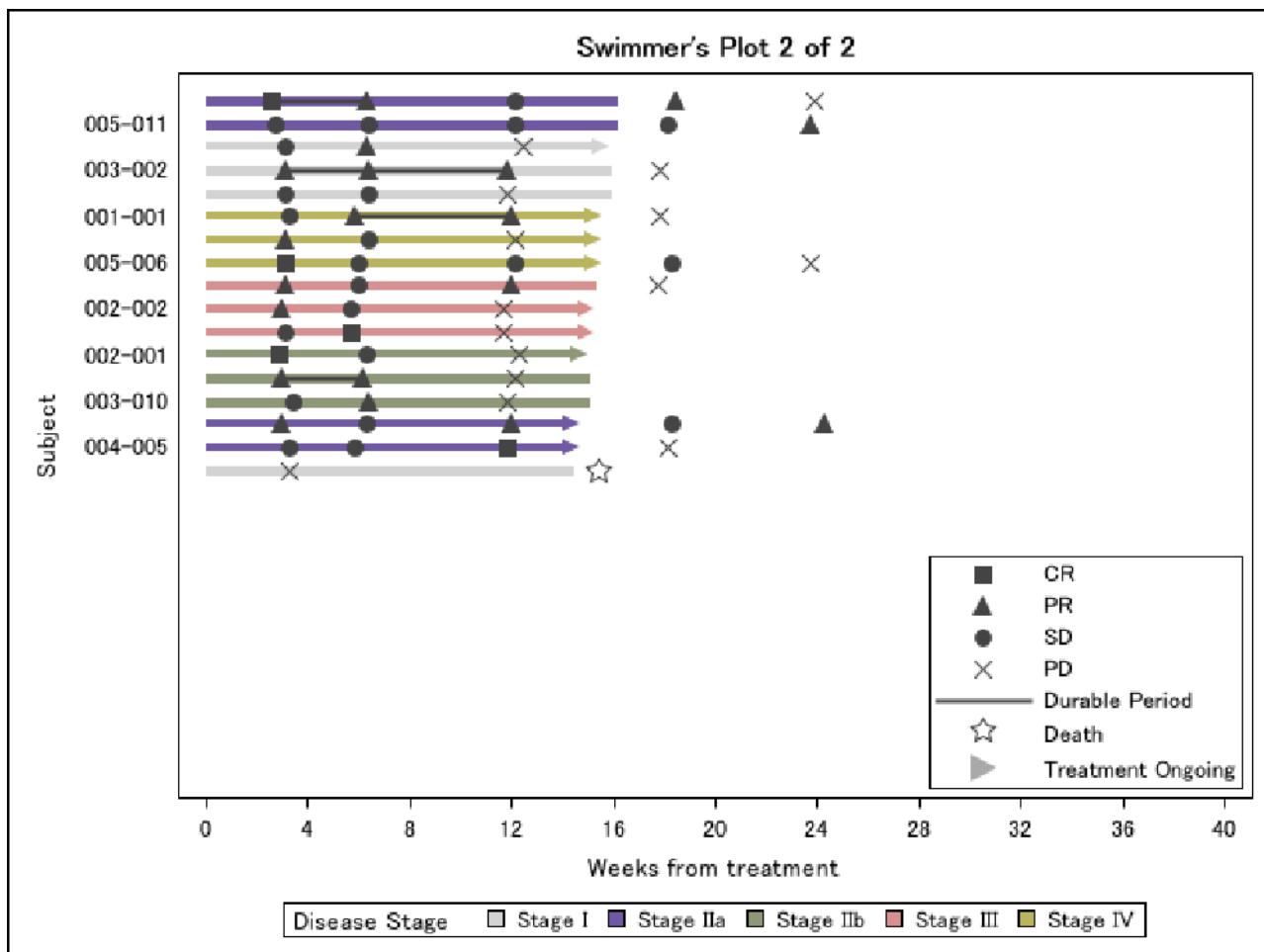
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(%swimmer_plot)

[test05]

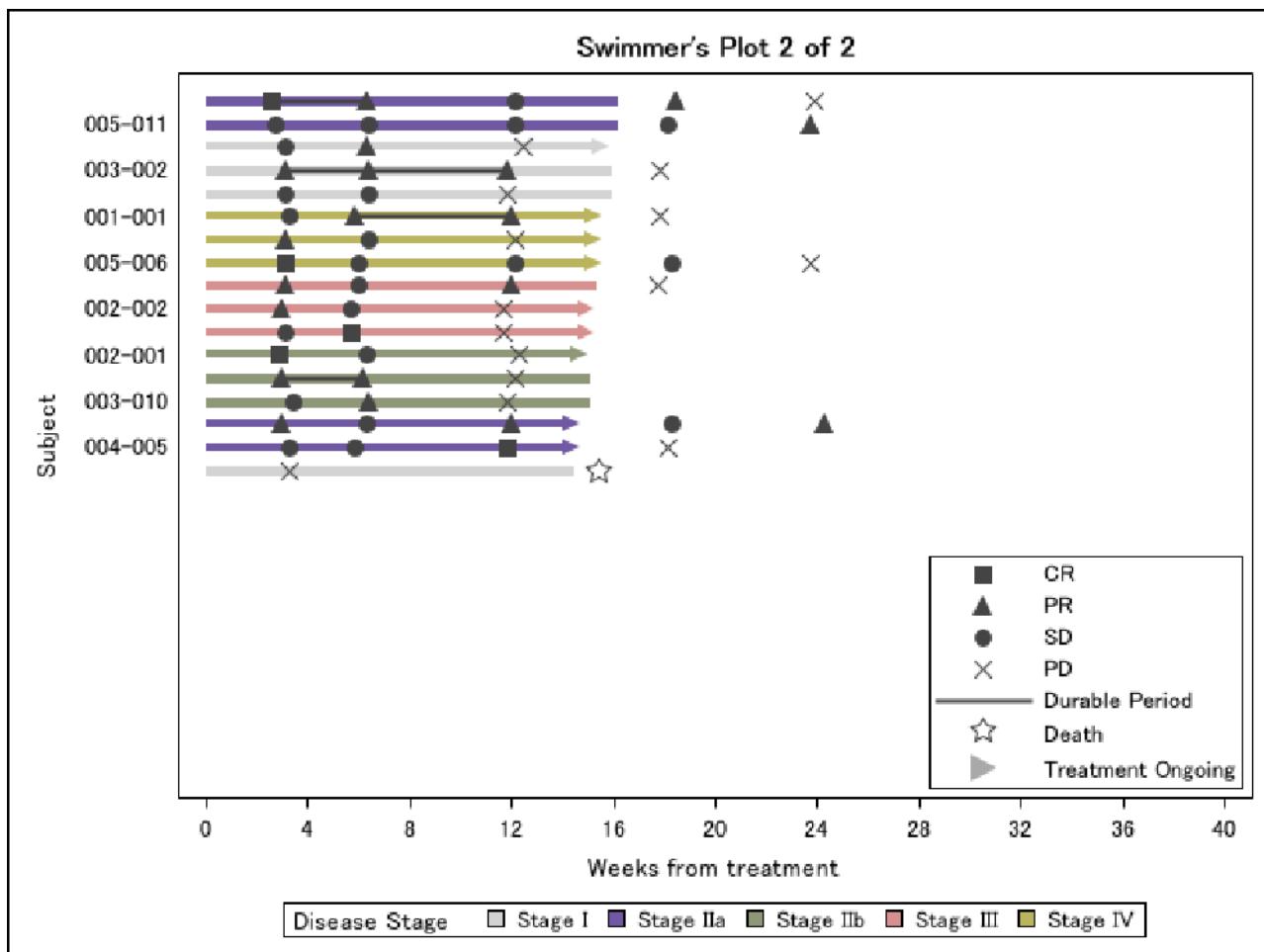
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(%swimmer_plot)

[test05]

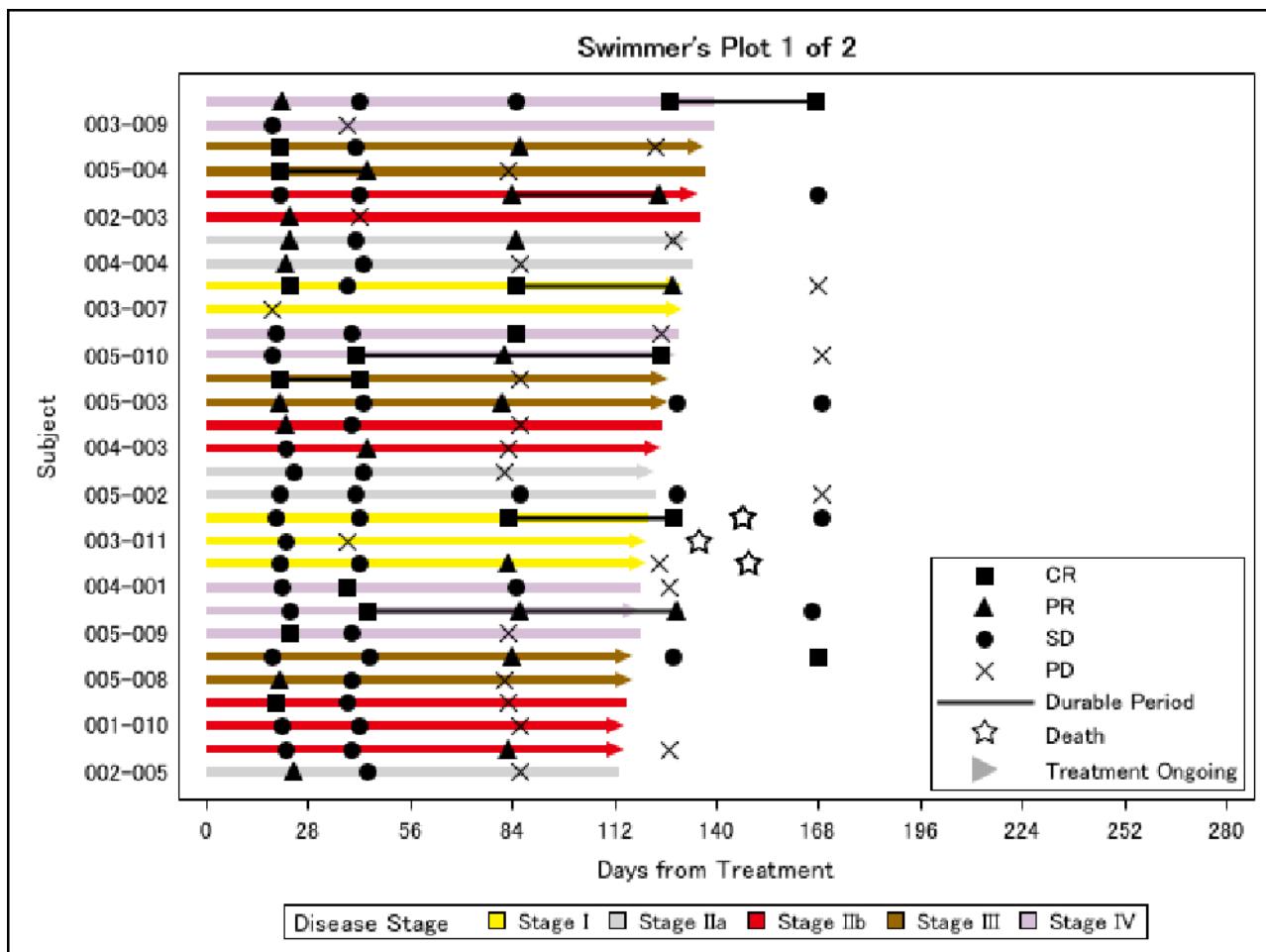
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(%swimmer_plot)

[test05]

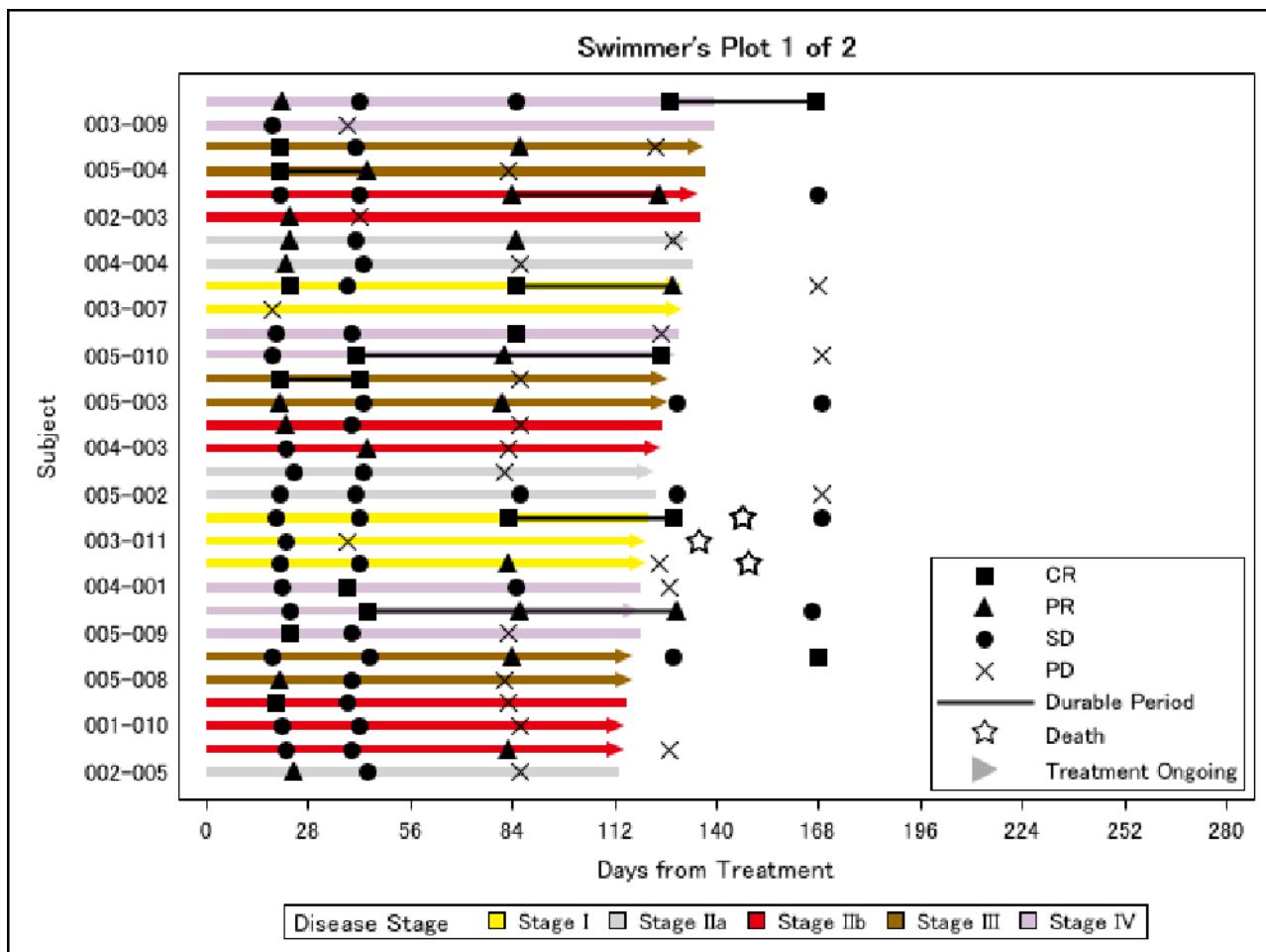
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(%swimmer_plot)

[test06]

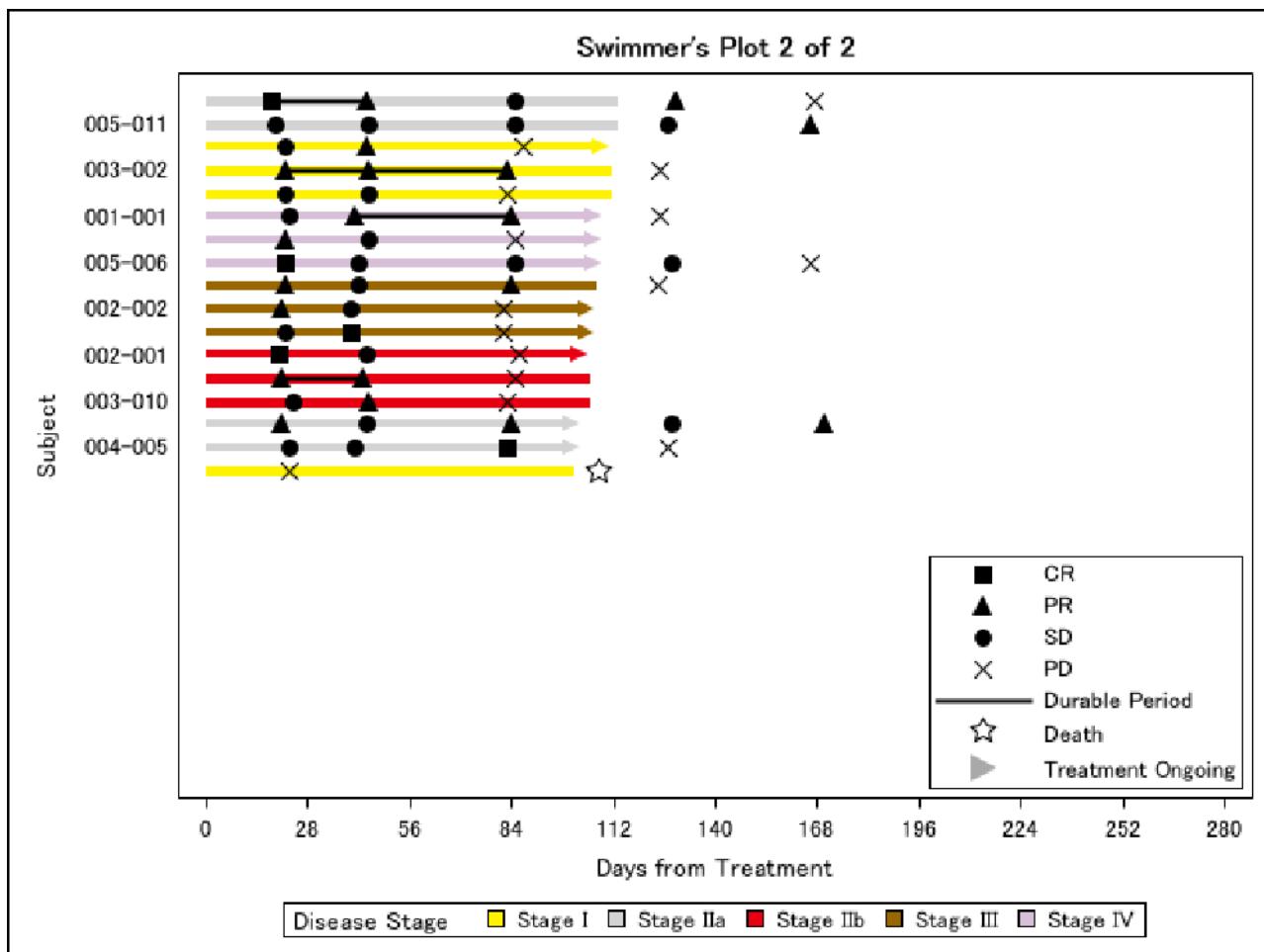
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(%swimmer_plot)

[test06]

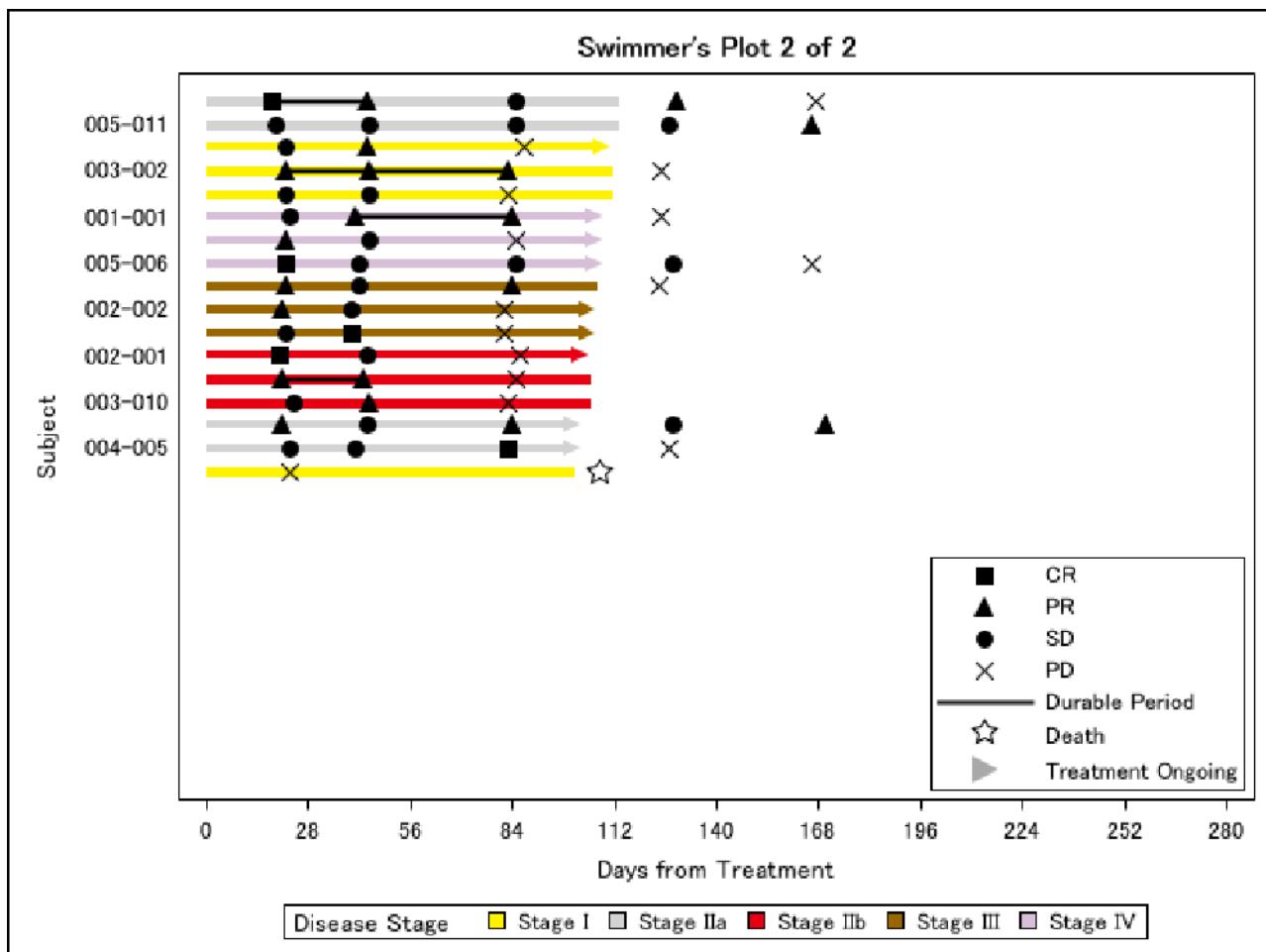
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(%swimmer_plot)

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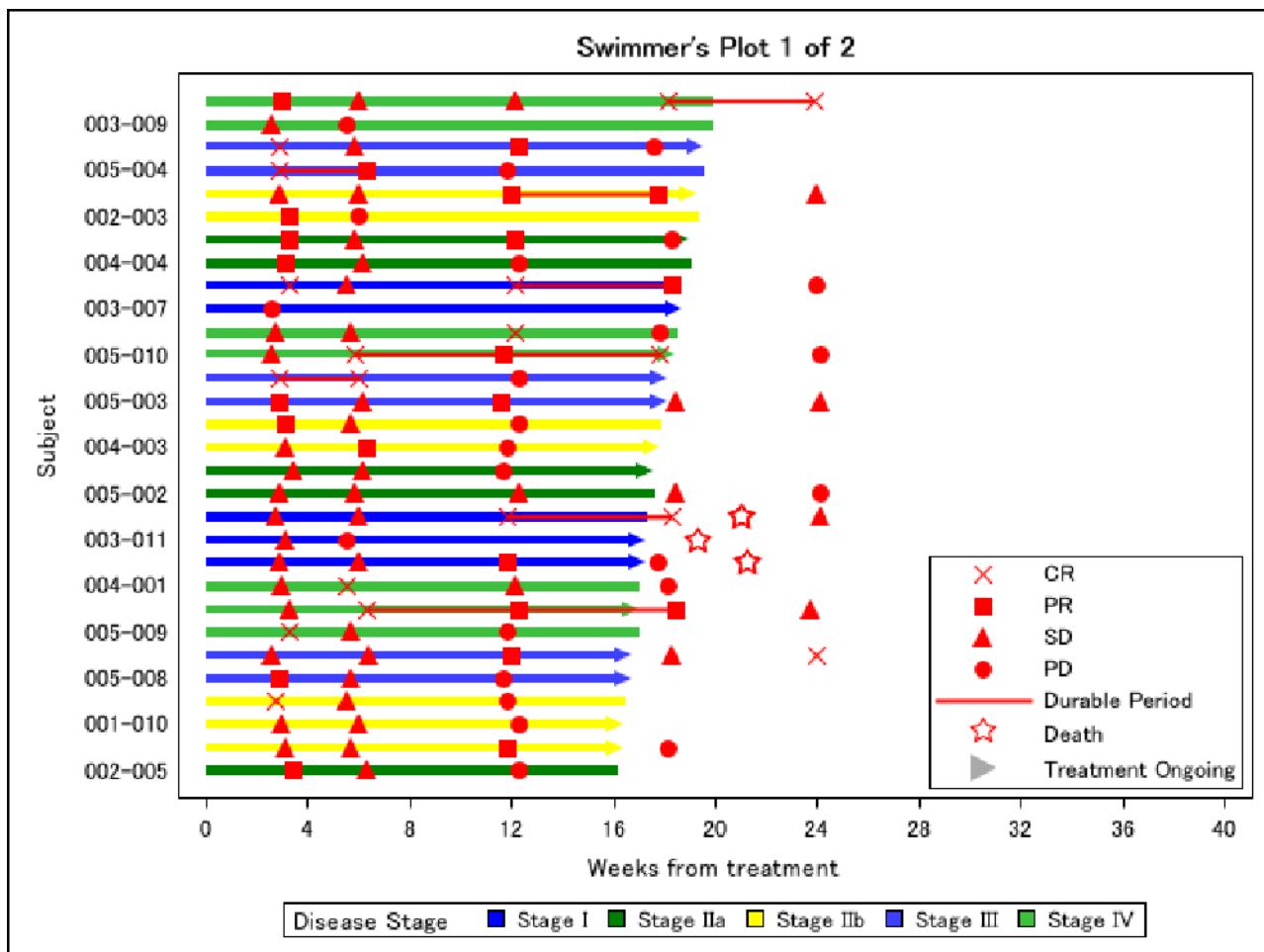
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(%swimmer_plot)

[test06]

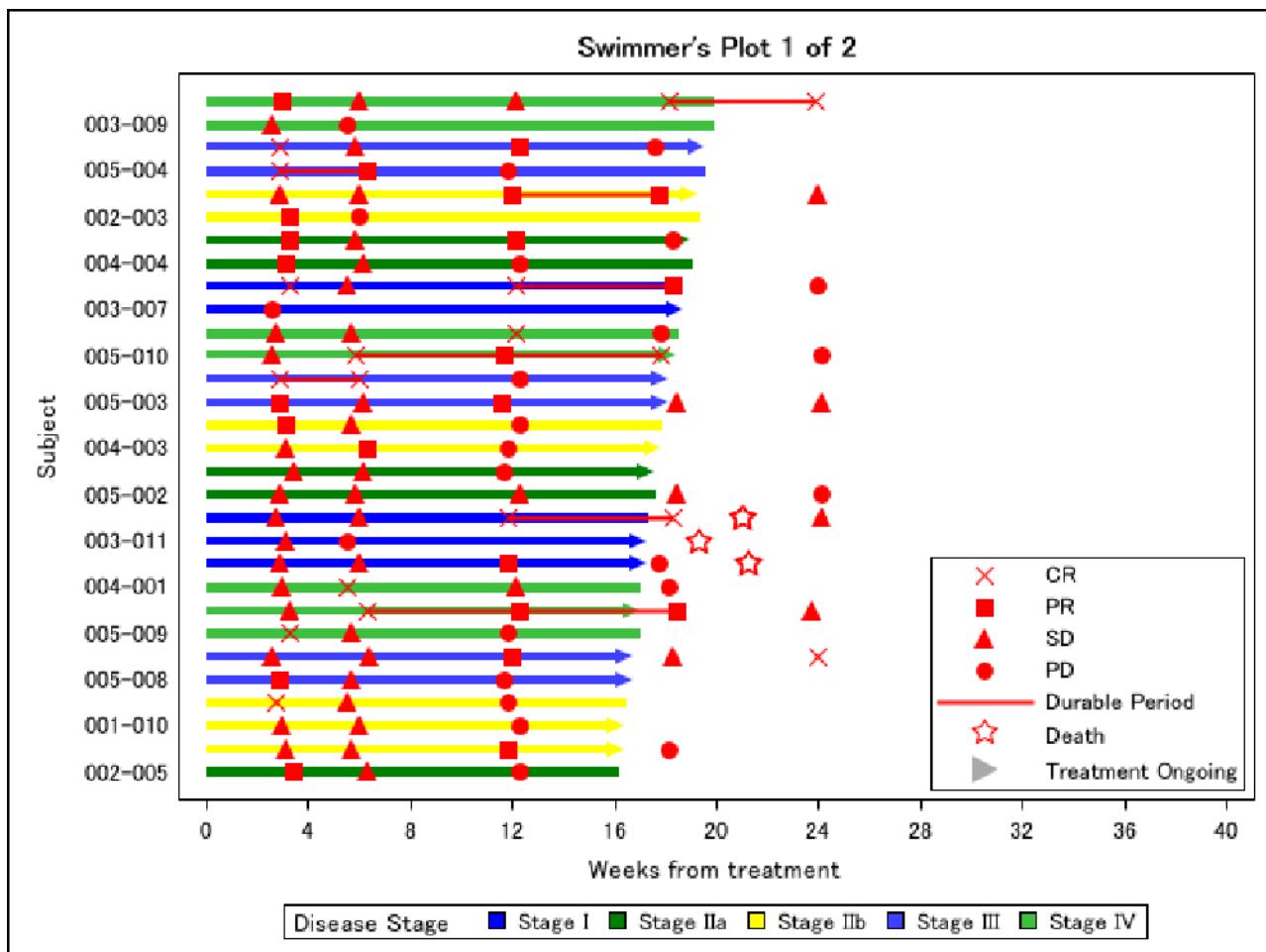
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(%swimmer_plot)

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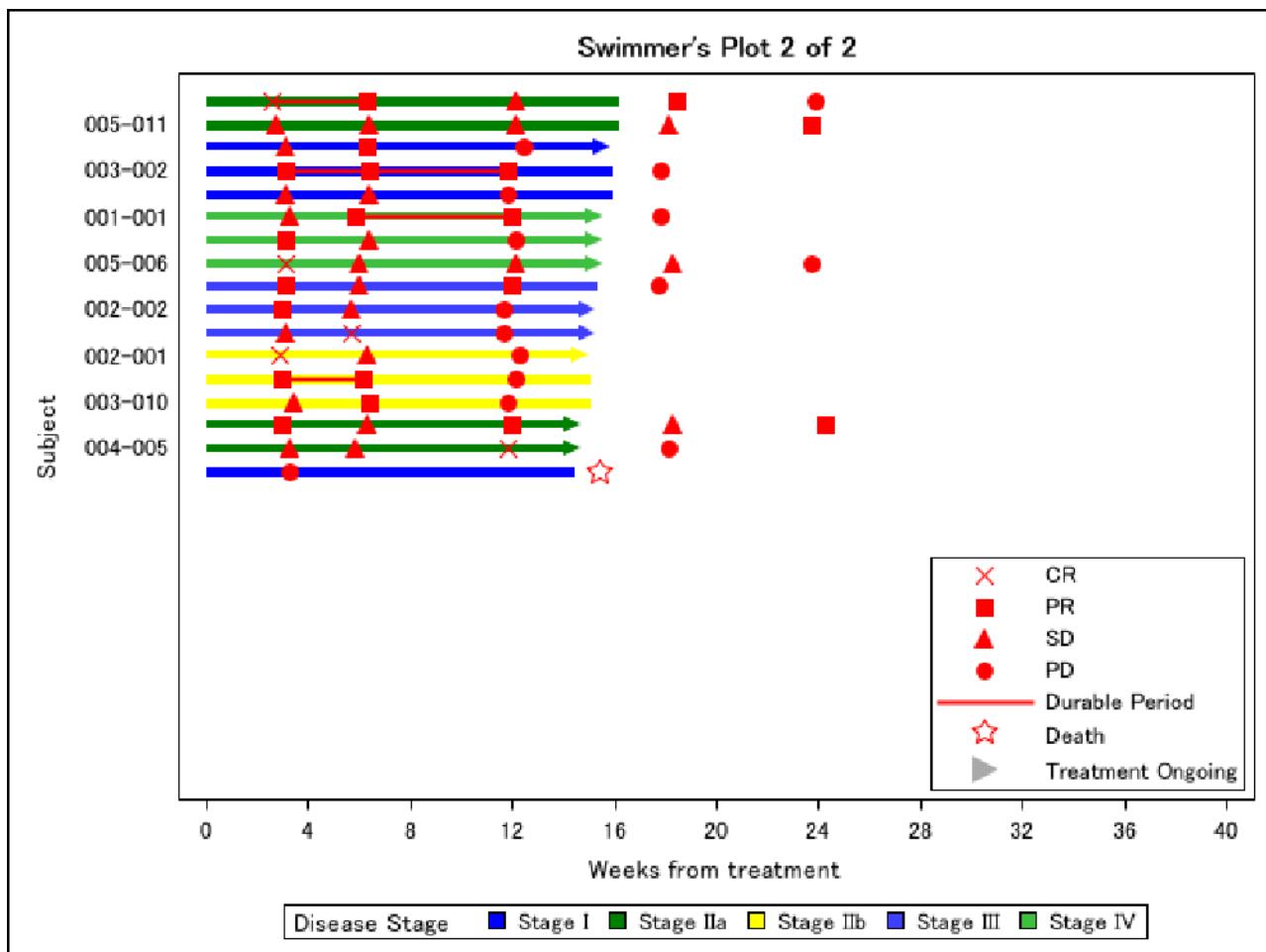
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(%swimmer_plot)

[test07]

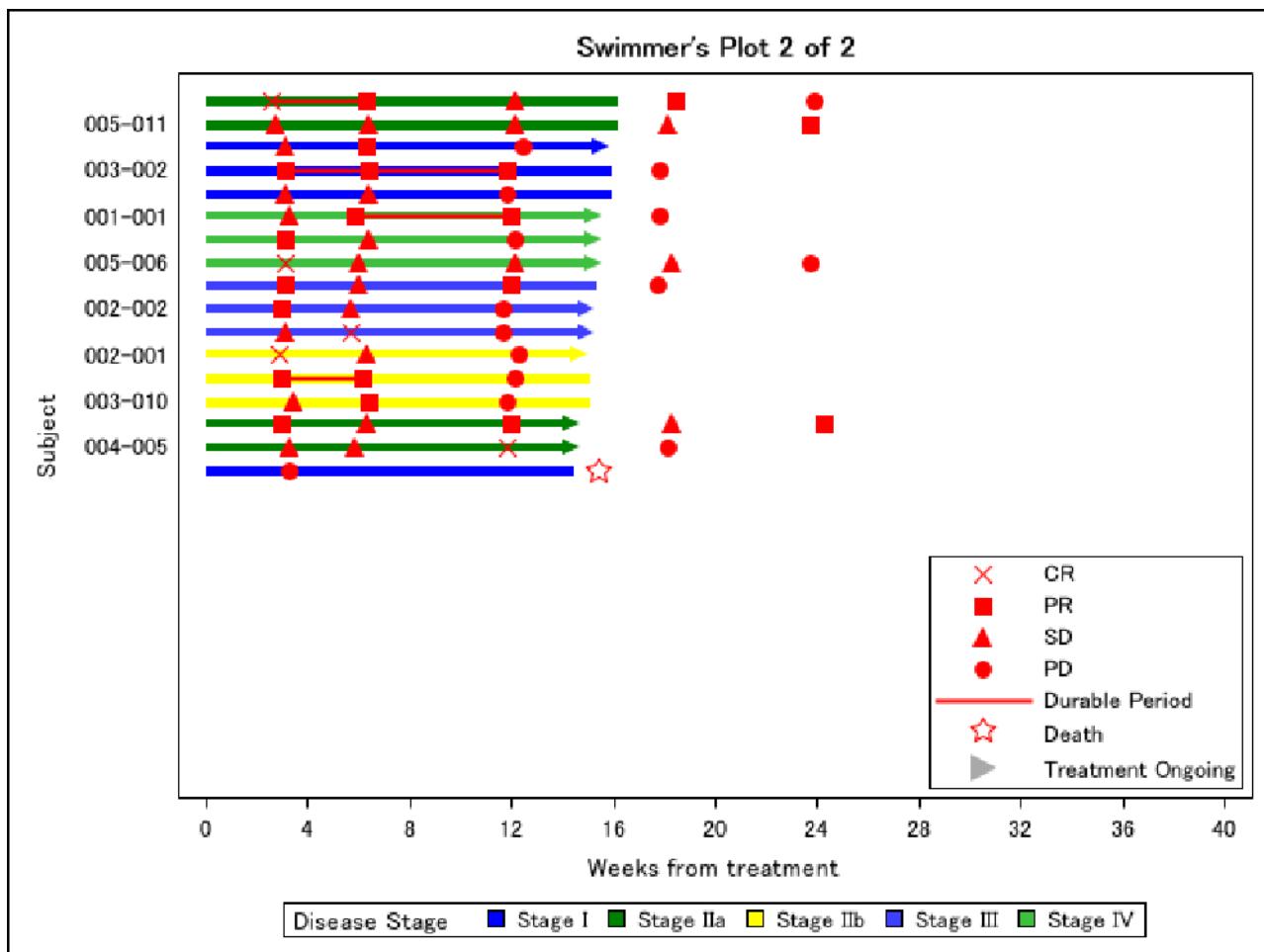
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(%swimmer_plot)

[test07]

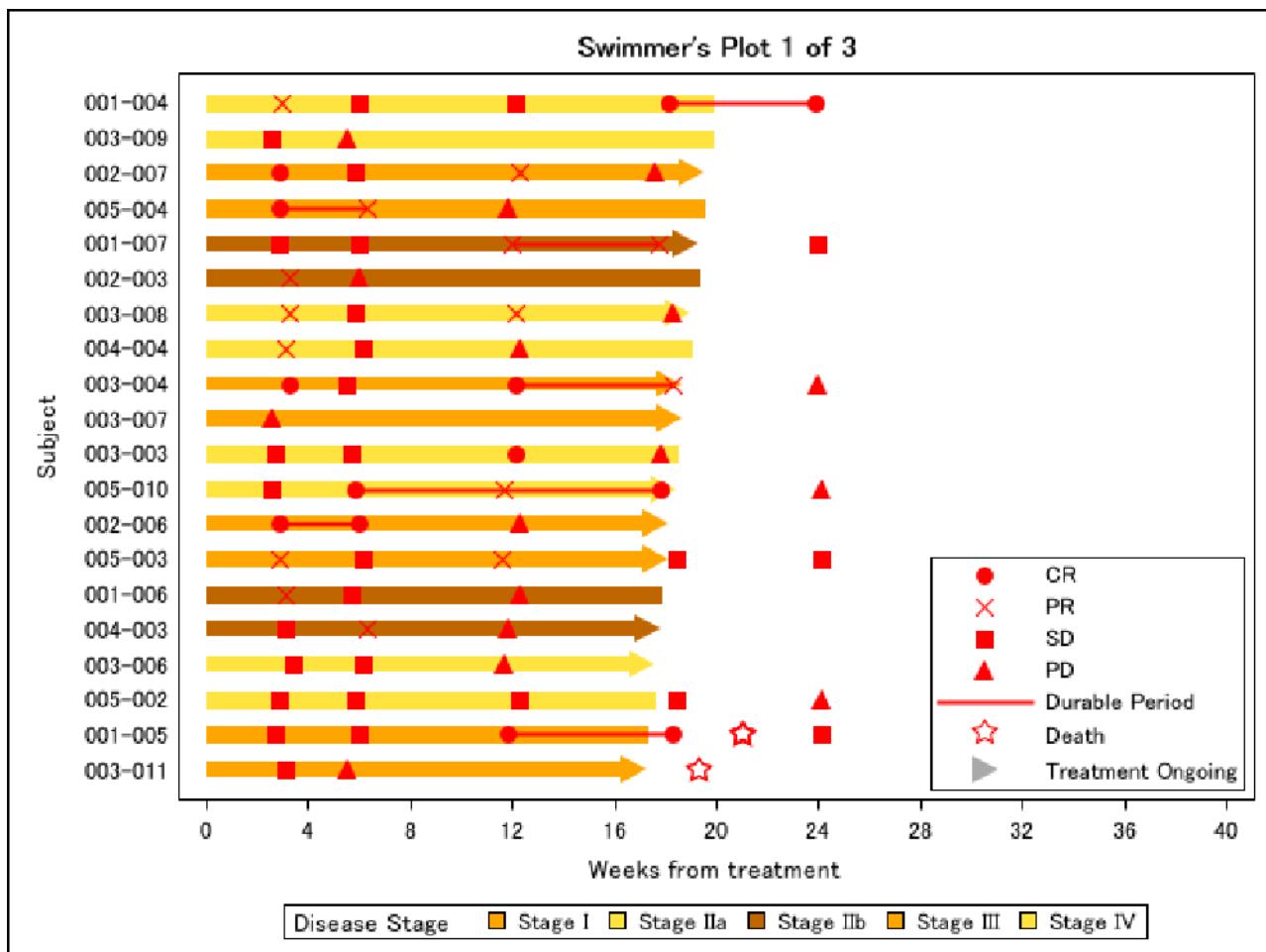
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[test07]

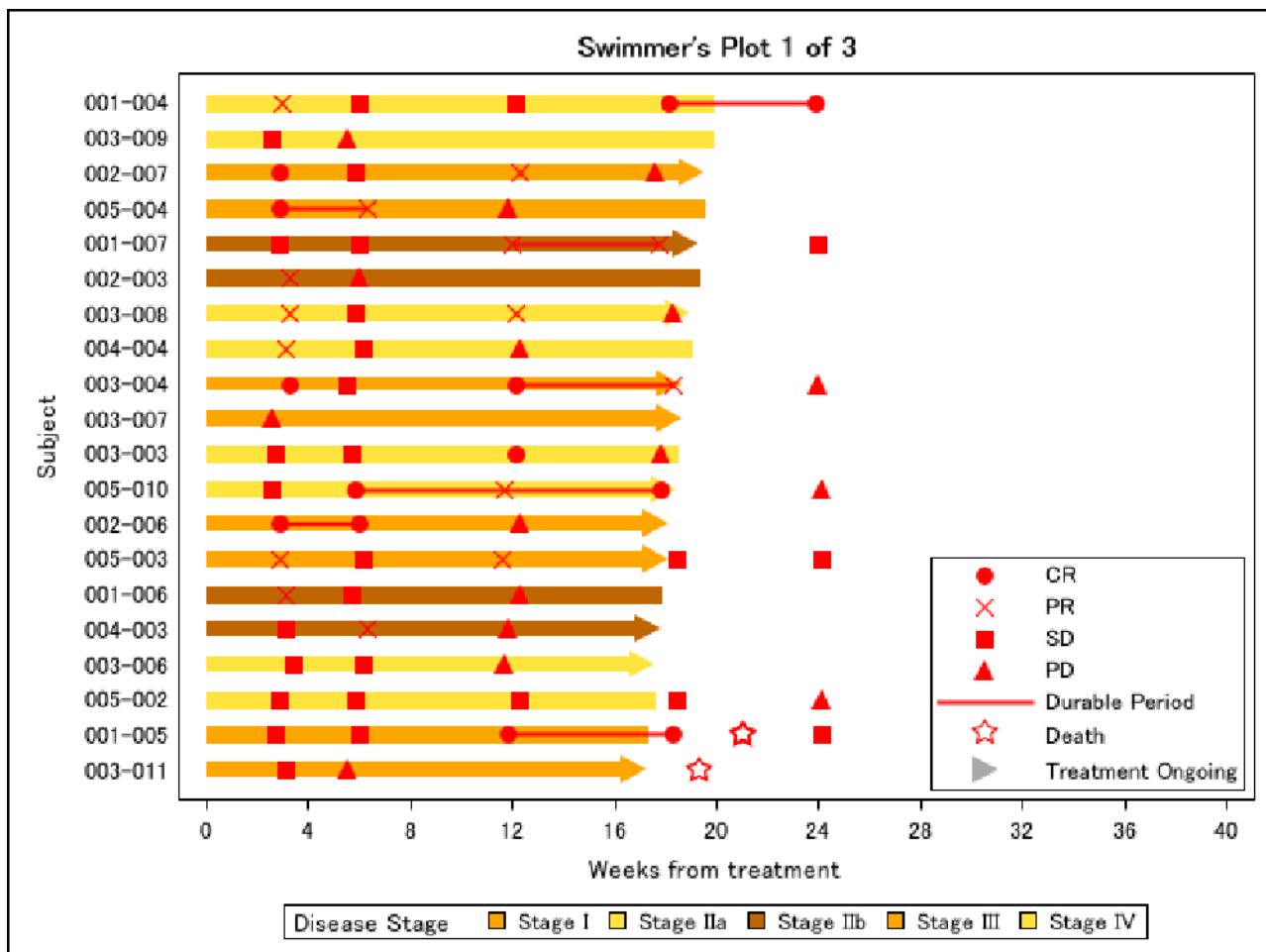
Current



(%swimmer_plot)

[test08]

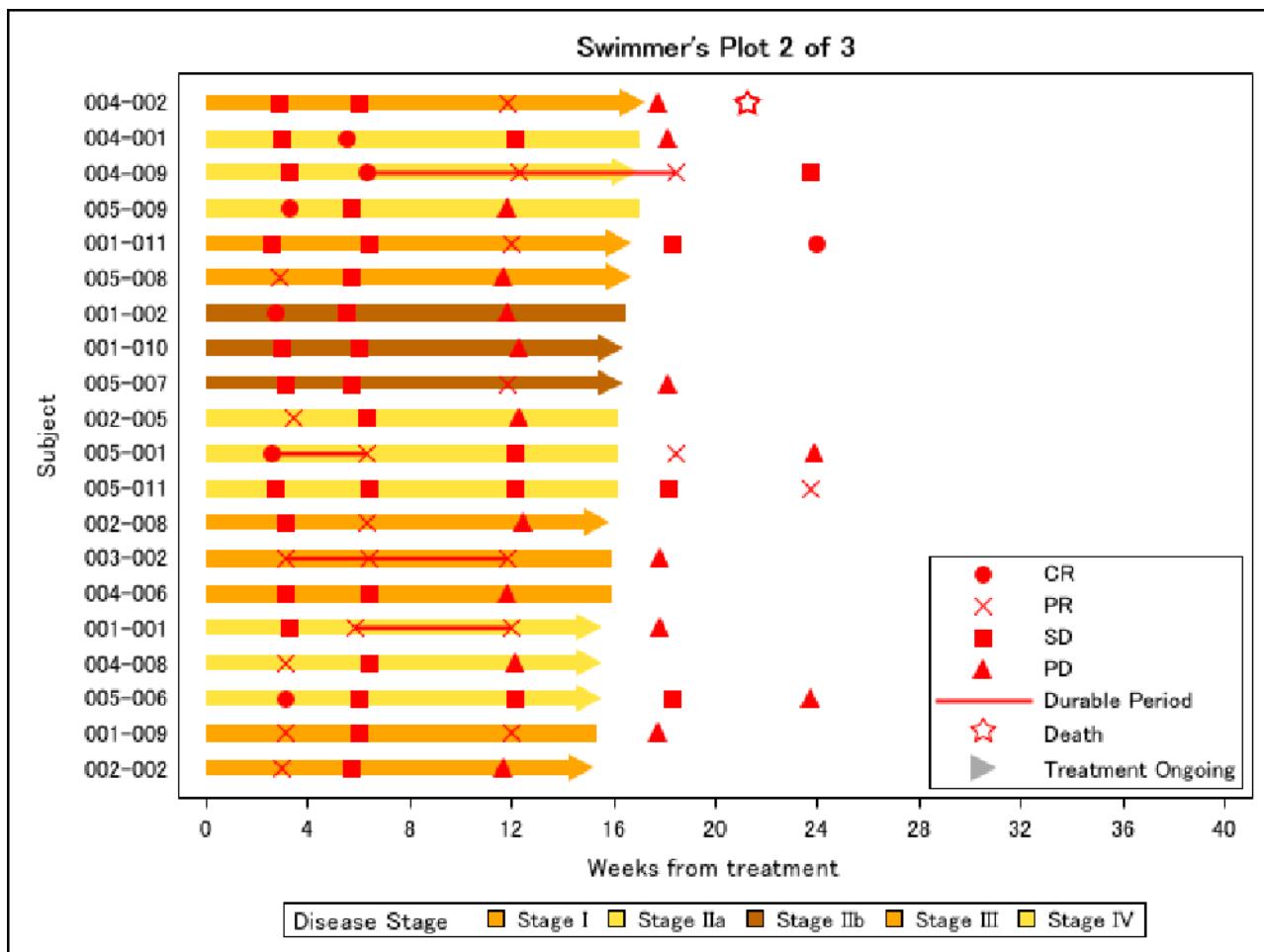
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(%swimmer_plot)

[test08]

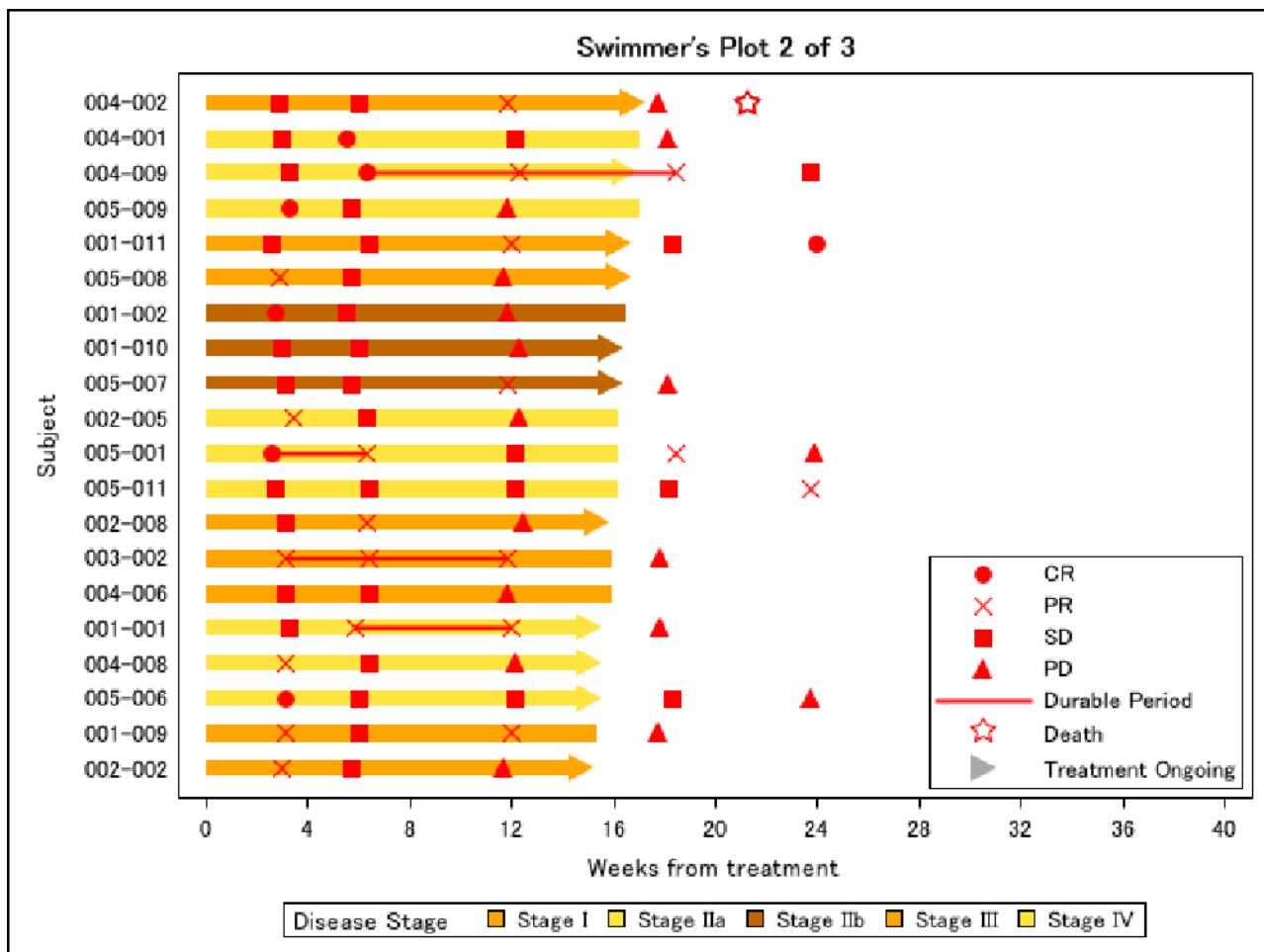
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(%swimmer_plot)

[test08]

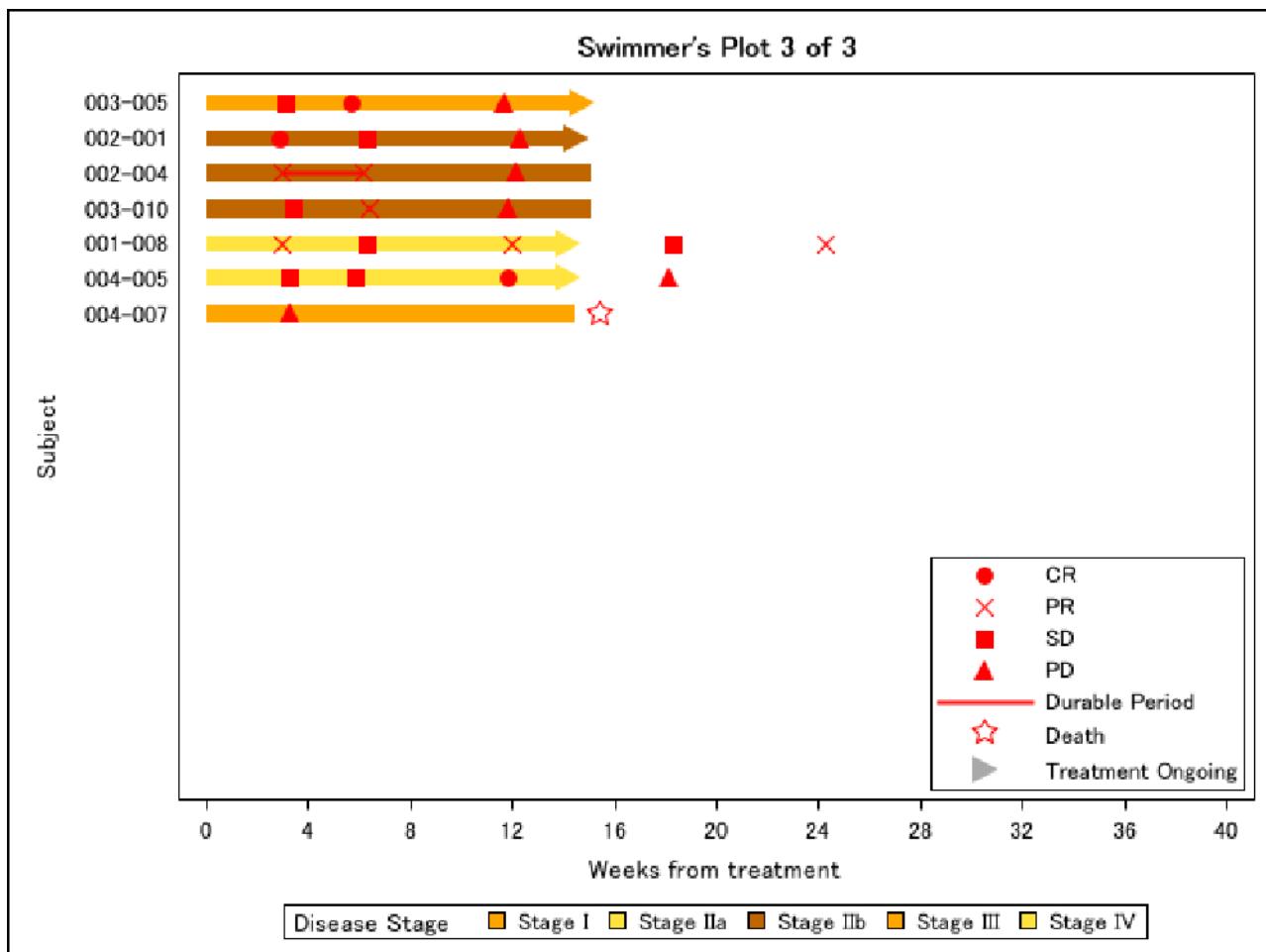
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(%swimmer_plot)

[test08]

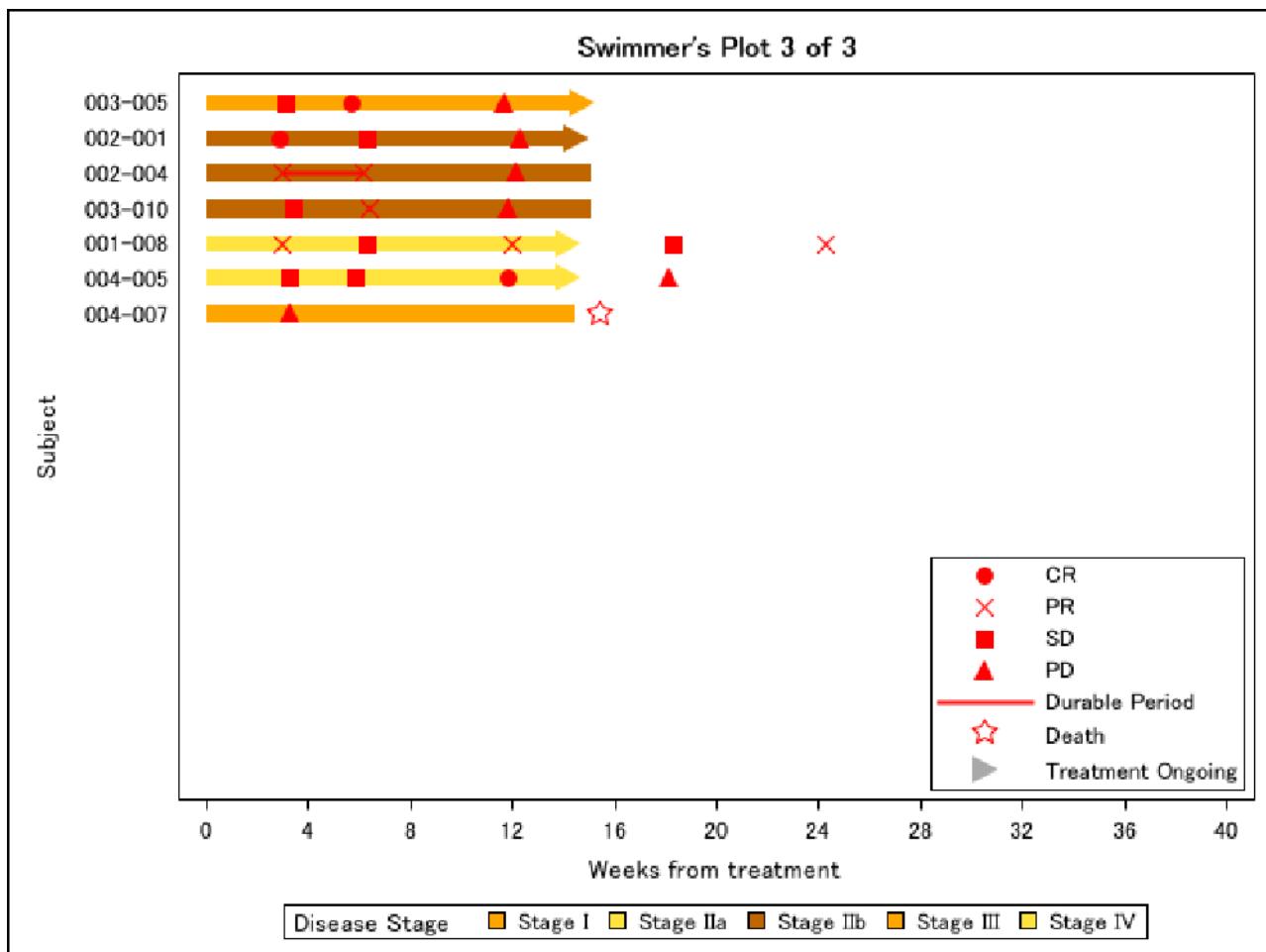
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(%swimmer_plot)

[test08]

Previous



(%swimmer_plot)

[test08]

Current