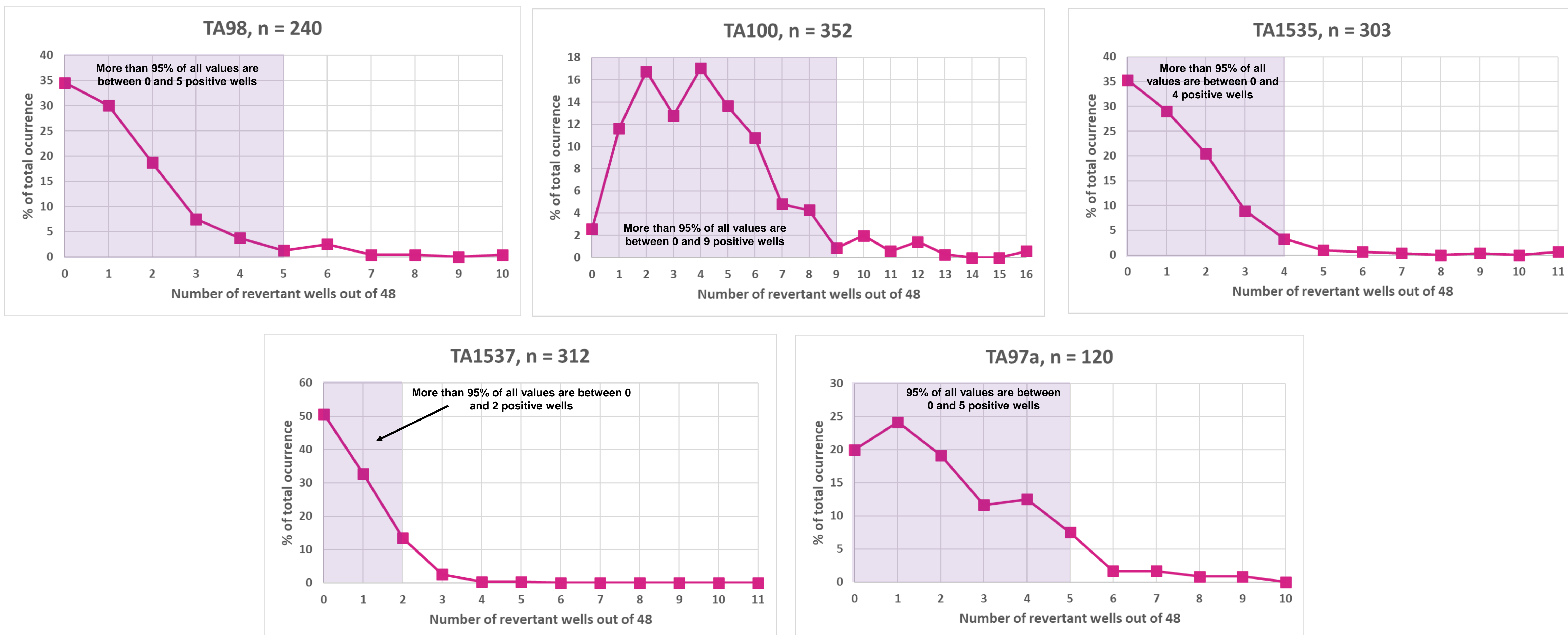


Xenometrix Historical Data on Semisolid Salmonella Ames Tester Strains with the Ames MPF Test System

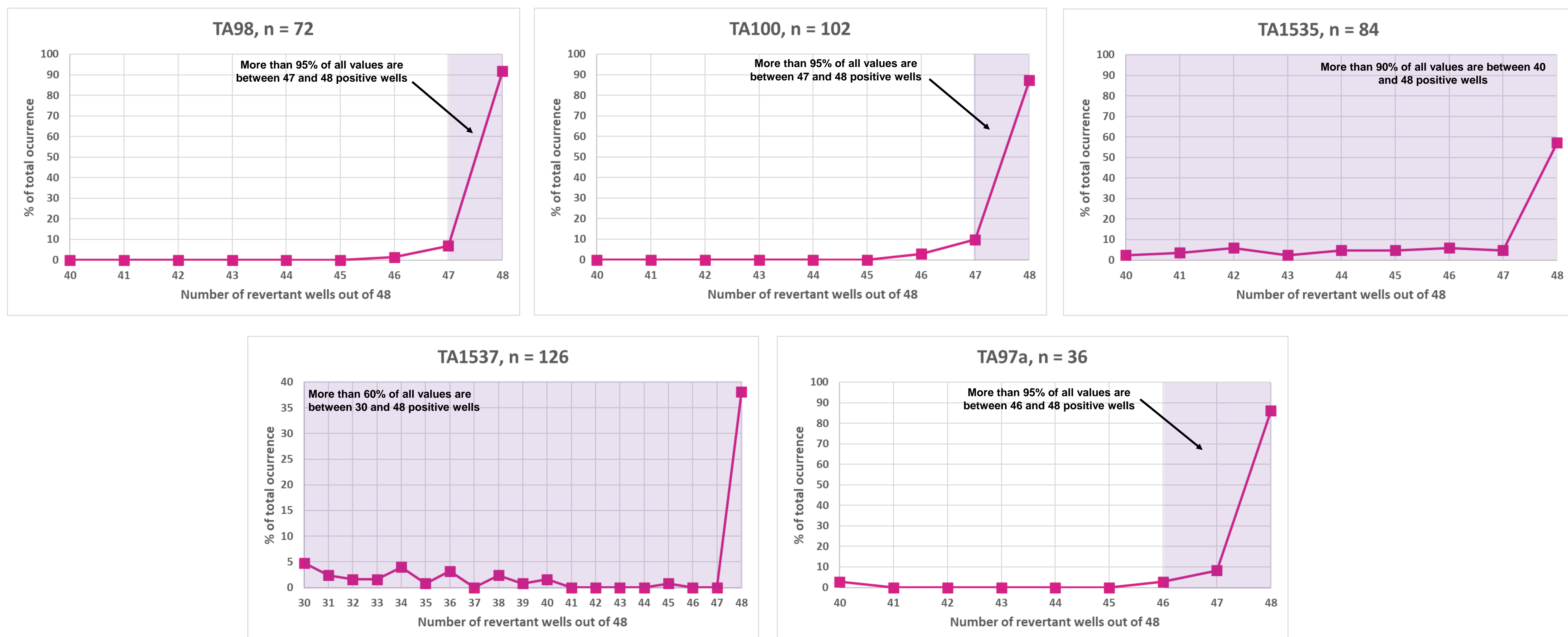
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Distribution of revertant wells in the solvent control



- DMSO was used as solvent control, except for TA1535 without metabolic activation, in the case of which the solvent control was water.
- Squares represent the share of a given value in percentage relative to the total number of values.
- One value is defined as the number of positive wells out of a 48-well partition on a 384-well plate. The n is the total number of values included in the analysis.
- Solvent control values with (30% Rat Liver S9) and without metabolic activation were included in this analysis.
- Data collected from Quality Control experiments conducted during the last 5 years were included in the current representation.
- In the case of certain strains there is a small proportion of values laying outside of the range indicated on the X axis, which is not presented on the graphs.
- The light purple-colored rectangle designates the area on each individual graph, which contains the percentage of all values indicated in the highlighted rectangle.

Distribution of revertant wells in response to positive control chemicals



- Without metabolic activation the positive controls were applied at the following concentrations: 20 µg/mL 2-NF for TA98, 0.1 µg/mL 4-NQO for TA100, 100 µg/mL N4-Act (dissolved in water) for TA1535, 15 µg/mL 9-Aac for TA1537, and 40 µg/mL 9-Aac for TA97a.
- With metabolic activation (30% Rat Liver S9), 2-AA was applied uniformly as positive control for all strains at the following concentrations: 20 µg/mL for TA98, 5 µg/mL for TA100, TA1535 and TA97a, and 2.5 µg/mL for TA1537.
- The positive controls were dissolved in DMSO unless indicated otherwise.
- Squares represent the share of a given value in percentage relative to the total number of values.
- One value is defined as the number of positive wells out of a 48-well partition on a 384-well plate. The n is the total number of values included in the analysis.
- Data collected from Quality Control experiments conducted during the last 5 years were included in the current representation.
- A range from 40 to 48 wells is presented on the graphs except for TA1537, in the case of which the values range between 20 and 48 wells.
- The light purple-colored rectangle designates the area on each individual graph, which contains the percentage of all values indicated in the highlighted rectangle.
- Abbreviations: DMSO: Dimethyl sulfoxide, 2-NF: 2-Nitrofluorene, 4-NQO: 4-Nitroquinoline-N-oxide, N4-Act: N4-Aminocytidine, 9-Aac: 9-Aminoacridine, 2-AA: 2-Aminoanthracene

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