Xenometrix Historical Data on Semisolid E. coli Ames Tester Strains with the Ames MPF Test System

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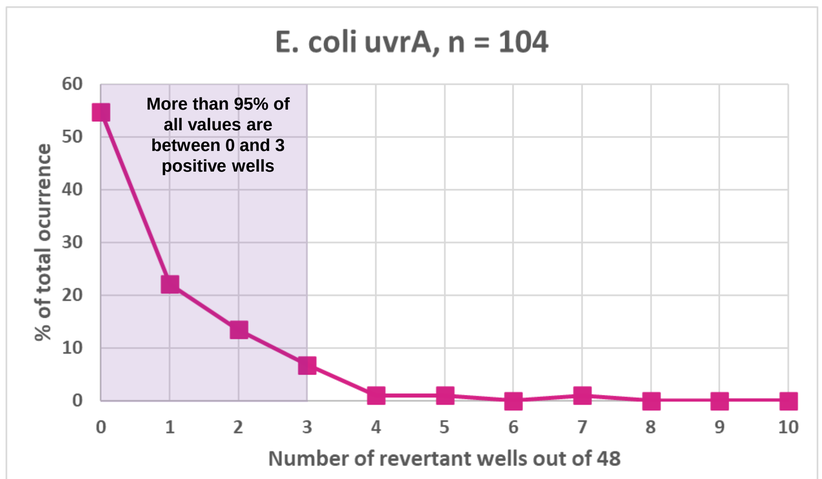
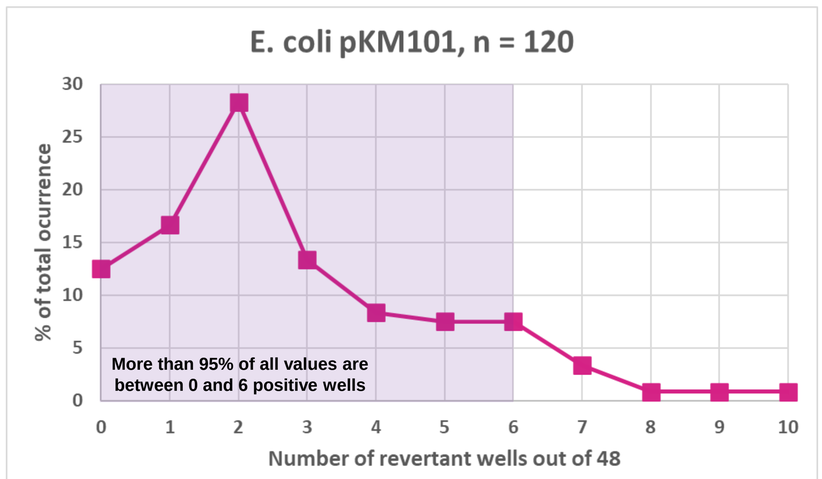
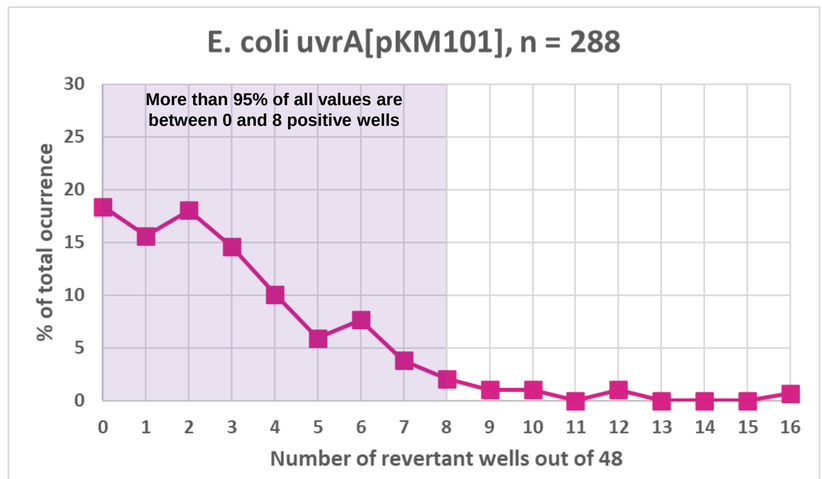
Distribution of revertant wells in the solvent control

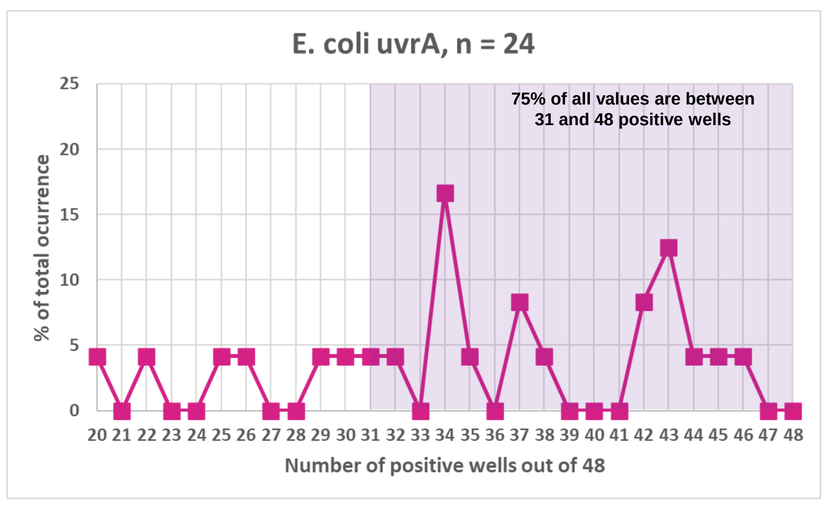


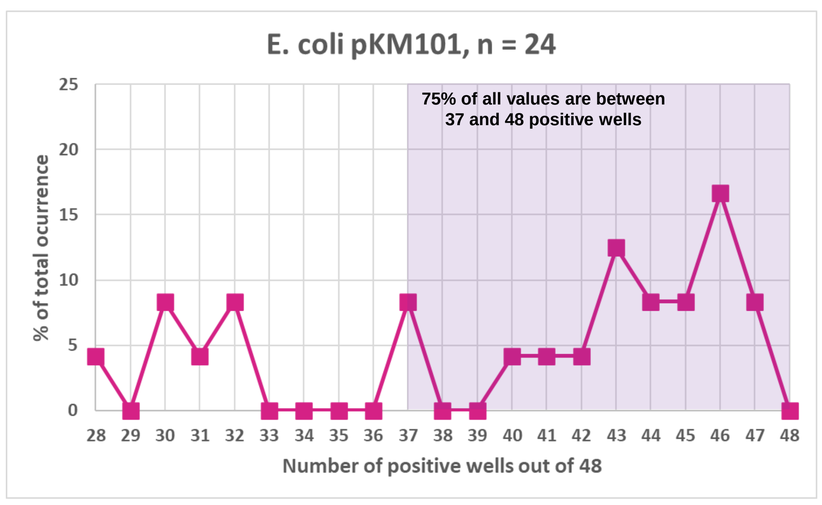


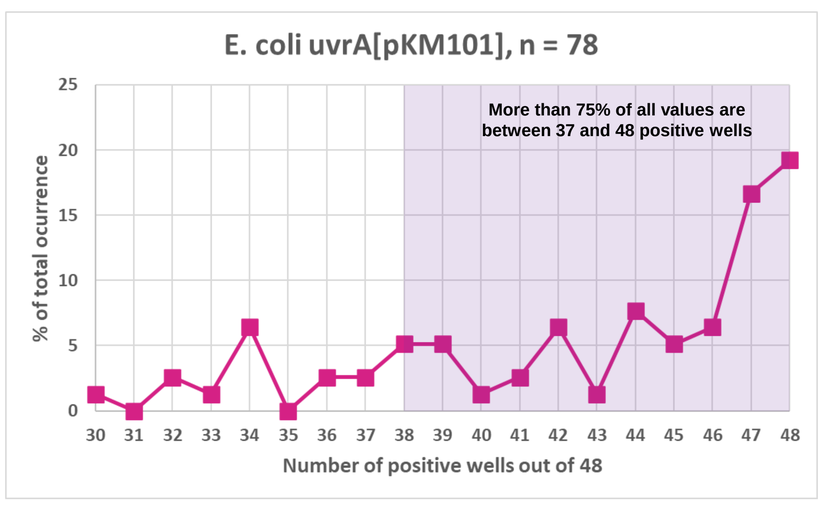


- DMSO was used as solvent control for all strains.
- Squares represent the share of a given value in percentage relative to the total number of values.
- One value is defined as the number of positive wells out of a 48-well partition on a 384-well plate. The n is the total number of values included in the analysis.
- Solvent control values without metabolic activation were included in this analysis for E.coli uvrA and E.coli pKM101 strains.
- Solvent control values with (30% Rat Liver S9) and without metabolic activation were included in this analysis for E.coli uvrA[pKM101] strain.
- Data collected from Quality Control experiments conducted during the last 5 years were included in the current representation.
- 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 2 µg/mL 4-NQO was applied as positive control for all E.coli strains.
- With metabolic activation (30% Rat Liver S9), 400 µG/mL 2-AF was applied for E.coli uvrA[pKM101] (Experiments with metabolic activation were performed only for E.coli uvrA[pKM101]).
- The positive controls were dissolved in DMSO.
- 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.
- 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, 4-NQO: 4-Nitroquinoline-N-oxide, 2-AF: 2-Aminofluorene

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