

Appendix: Dose-response curve and plot symbols

The shape of the dose-response has been determined by a test for departure from linearity, the chi-square goodness-of-fit test ($p < 0.05$).

Code	Dose-Response Curve
*	Consistent with linearity
/	Significant departure from linearity, upward curvature
\	Significant departure from linearity, downward curvature
Z	Significant departure from linearity, more than three dose groups including controls
	For \ and Z, if there was significant downward departure from linearity, the TD_{50} was calculated without the data from the highest dose groups(s). In the plot, parentheses around the tumor incidence for a dose group indicate that the data were omitted from the final TD_{50} calculation.
blank	Either no dose-related effect, or no curve shape could be determined because experiment had only two dose groups including controls

Code	Plot symbol (appears once per experiment, for the most potent TD_{50})
+	$TD_{50} p \leq 0.01$
±	$TD_{50} 0.01 < p \leq 0.1$
<+	100% of dosed animals had the tumor on this line of the plot
>	For all TD_{50} s in the experiment $p > 0.10$
:	TD_{50} estimated with lifetable data, and “:” indicates 99% confidence limits
.	TD_{50} estimated with summary data, and “.” indicates 99% confidence limits
#	For NTP bioassays evaluated as having no evidence of carcinogenicity, a statistically significant increase in tumors occurred in one or more sites ($p < 0.05$). We have indicated this by placing a “-” in the opinion column and flagging the TD_{50} with a “#” sign in the plot just to the left of the TD_{50} value.