**Supplemental section for Toninato et al., FIS**

This section (Table S1) includes additional information regarding non-linear regression models to characterize the Average Sample Number (ASN) relationship listed in Figure 2 of the paper. Table S1 provides the fitted non-linear functions for each of the sample size regressions.

**Table S1. Non-linear equations for the predicted sample lines, based on the simulation validation process (see Tables 2-3, Fig. 2, of main paper)\***

|  |  |  |  |
| --- | --- | --- | --- |
| Avg. Sample No. | Precision | Equation | R2 |
| Obs. Min. Sample Required | 0.10 | Y = (179.67)(-0.3363x)+79.93 | 0.98 |
| Obs. Avg. Sample Required | 0.10 | Y = (240.3)(-0.4119x)+60.9 | 0.97 |
| Obs. Max Sample Required | 0.10 | Y = (287.05)(-0.4181x)+70.25 | 0.96 |
| Obs. Min. Sample Required | 0.25 | Y = (19.076)(-0.3563x)+6.064 | 0.93 |
| Obs. Avg. Sample Required | 0.25 | Y = (33.006)(-0.4093x)+8.894 | 0.97 |
| Obs. Max Sample Required | 0.25 | Y = (74.8)(-0.6211x)+13.99 | 0.89 |

**\*Each of the regression functions were fitted using GraphPad Prism 9.**