

Left: Confidence Interval for 22 Specimen and  
Right: Confidence Interval for the five parameter

|    | fit         | lwr         | upr        |
|----|-------------|-------------|------------|
| 1  | 2.45031210  | 1.98249330  | 2.9181309  |
| 2  | 2.57301925  | 2.18948436  | 2.9565541  |
| 3  | 2.76031705  | 2.18338303  | 3.3372511  |
| 4  | 7.88941231  | 6.77566738  | 9.0031572  |
| 5  | 5.13572095  | 4.51178948  | 5.7596524  |
| 6  | 7.96101605  | 6.95000340  | 8.9720287  |
| 7  | 6.77766910  | 6.14341040  | 7.4119278  |
| 8  | 6.88952766  | 6.28157215  | 7.4974832  |
| 9  | 7.62103530  | 6.79497800  | 8.4470926  |
| 10 | 7.63907741  | 6.47331169  | 8.8048431  |
| 11 | 7.35945505  | 6.67869945  | 8.0402106  |
| 12 | 9.68904429  | 8.77606341  | 10.6020252 |
| 13 | 6.22588320  | 5.22879401  | 7.2229724  |
| 14 | 2.19440572  | 1.65261926  | 2.7361922  |
| 15 | 3.85978005  | 2.73918687  | 4.9803732  |
| 16 | 0.78692738  | -0.04314064 | 1.6169954  |
| 17 | -0.05112222 | -0.61728110 | 0.5150367  |
| 18 | 0.80991861  | 0.16766513  | 1.4521721  |
| 19 | 0.92038059  | 0.26202366  | 1.5787375  |
| 20 | 0.44434145  | -0.48546460 | 1.3741475  |
| 21 | 2.03682824  | 1.48142716  | 2.5922293  |
| 22 | 0.31705046  | -0.23987182 | 0.8739727  |

|             | 2.5 %      | 97.5 %    |
|-------------|------------|-----------|
| (Intercept) | -8.491275  | -4.533154 |
| x1          | -3.455820  | 7.454647  |
| x2          | -9.554992  | 2.204800  |
| x3          | -10.931602 | 15.980574 |
| x4          | -2.601372  | 12.917535 |
| x5          | 4.106915   | 24.695409 |