| Model | Degrees of freedom | AIC | Δ AIC | Relative likelihood | AIC weight |
| --- | --- | --- | --- | --- | --- |
| Arroyo Quemado | | | | | |
| Step | 3 | 815.75 | 6.88 | 0.03 | 1.93 |
| **Linear** | 3 | 808.87 | 0 | 1 | 60.23 |
| Asymptotic | 4 | 934.87 | 126 | 0 | 0 |
| Sigmoid | 5 | 809.8 | 0.93 | 0.63 | 37.84 |
| Naples | | | | | |
| Step | 3 | 787.64 | 3.42 | 0.18 | 12.96 |
| Linear | 3 | 787.29 | 3.07 | 0.22 | 15.43 |
| Asymptotic | 4 | 886.06 | 101.83 | 0 | 0 |
| **Sigmoid** | 5 | 784.22 | 0 | 1 | 71.61 |
| Mohawk | | | | | |
| Step | 3 | 904.57 | 14.34 | 0 | 0.05 |
| **Linear** | 3 | 890.23 | 0 | 1 | 70.68 |
| Asymptotic | 4 | 1053.47 | 163.23 | 0 | 0 |
| Sigmoid | 5 | 892 | 1.76 | 0.41 | 29.27 |
| Carpinteria | | | | | |
| Step | 3 | 764.28 | 0.01 | 1 | 47.1 |
| **Linear** | 3 | 764.27 | 0 | 1 | 47.26 |
| Asymptotic | 4 | 800.12 | 35.85 | 0 | 0 |
| Sigmoid | 5 | 768.53 | 4.25 | 0.12 | 5.64 |