| Model | Degrees of freedom | AIC | Δ AIC | Relative likelihood | AIC weight |
| --- | --- | --- | --- | --- | --- |
| Arroyo Quemado | | | | | |
| Step | 3 | 708.55 | 7.42 | 0.02 | 2.17 |
| **Linear** | 3 | 701.12 | 0 | 1 | 88.88 |
| Asymptotic | 4 | 820.92 | 119.8 | 0 | 0 |
| Sigmoid | 5 | 705.72 | 4.59 | 0.1 | 8.94 |
| Naples | | | | | |
| **Step** | 3 | 699.11 | 0 | 1 | 40.47 |
| Linear | 3 | 700.06 | 0.95 | 0.62 | 25.2 |
| Asymptotic | 4 | 787.87 | 88.76 | 0 | 0 |
| Sigmoid | 5 | 699.44 | 0.33 | 0.85 | 34.33 |
| Mohawk | | | | | |
| Step | 3 | 787.74 | 13.66 | 0 | 0.08 |
| **Linear** | 3 | 774.08 | 0 | 1 | 72.98 |
| Asymptotic | 4 | 909.36 | 135.28 | 0 | 0 |
| Sigmoid | 5 | 776.08 | 1.99 | 0.37 | 26.95 |
| Carpinteria | | | | | |
| Step | 3 | 669.94 | 1.07 | 0.59 | 34.28 |
| **Linear** | 3 | 668.87 | 0 | 1 | 58.52 |
| Asymptotic | 4 | 709.28 | 40.41 | 0 | 0 |
| Sigmoid | 5 | 673.06 | 4.19 | 0.12 | 7.2 |