

Parameter Estiamtes for Integrated Growth Models

Parameter	Model 5		Model 6		Model 7		Model 8	
	Sample	Population	Sample	Population	Sample	Population	Sample	Population
Linf_mu	60.92	60.98 (56.17,66.67)	77.96	66.79 (70.27, 78.69)	64.74	64.80 (61.91, 67.17)	66.87	66.89 (63.90, 70.10)
Linf_std	5.32	5.3 (4.53,6.07)	6.02	5.256 (4.00, 6.83)	5.62	5.57 (4.72, 6.36)	5.53	5.31 (2.61, 6.25)
K	0.300	0.299 (0.229,0.393)	0.122	0.189 (0.121, 0.235)	0.262	0.260 (0.231, 0.302)	0.253	0.25 (0.21, 0.29)
A_mu	0.95	0.95 (0.8,1.09)	1.5	1.21 (1.06, 1.50)	1	1.00 (0.92, 1.08)	0.99	0.98 (0.89, 1.10)
A_sig	0.19	0.19 (0.15,0.24)	0.13	0.16 (0.12, 0.19)	0.18	0.18 (0.14, 0.22)	0.18	0.18 (0.15, 0.21)
Sig	2.1	2.08 (1.50,2.55)	2.97	2.51 (2.05, 3.11)	2.2	2.20 (1.74, 2.62)	2.32	2.36 (1.94, 2.93)
t0	-	-	-0.86	-0.50 (-0.90, -0.34)	-0.31	-0.32 (-0.44, -0.20)	-0.27	-0.27 (-0.43, -0.17)
oto_sig	-	-	6.79	3.93 (1.31, 7.09)	1.82	1.76 (0.68, 3.03)	1.33	1.30 (0.47, 3.14)
lf_sig	-	-	1.33	3.06 (1.31, 4.06)	4.07	4.39 (3.86, 4.98)	3.93	4.32 (3.53, 5.03)

Parameter	Model 9		Model 10		Model 11	
	Sample	Population	Sample	Population	Sample	Population
Linf_mu	64.74	64.80 (62.22, 67.03)	69.34	68.72 (65.23, 71.68)	68.52	67.55 (65.42,69.55)
Linf_std	5.62	5.58 (4.74, 6.37)	4.26	4.08 (3.00, 5.11)	4.22	5.00 (4.26,5.68)
K	0.261	0.26 (0.23, 0.30)	0.146	0.17 (0.13, 0.21)	0.173	0.219 (0.198,0.245)
A_mu	1	1.00 (0.925, 1.08)	1.5	1.37 (1.19, 1.60)	1.34	1.11 (1.03,1.19)
A_sig	0.18	0.18 (0.15, 0.22)	0.14	0.155 (0.119, 0.184)	0.16	0.17 (0.14,0.2)
Sig	2.2	2.20 (1.75, 2.61)	3.29	2.99 (2.45, 3.62)	2.9	2.39 (2,2.77)
t0	-0.31	-0.32 (-0.43, -0.21)	-0.8	-0.65 (-0.96, -0.43)	-0.63	-0.37 (-0.47,-0.28)
oto_sig	1.82	1.74 (0.66, 2.94)	1.61	1.42 (0.97, 1.84)	1.4	0.96 (0.49,1.31)
lf_sig	4.07	4.38 (3.88, 4.94)	1.43	2.41 (1.43, 3.29)	3.09	4.63 (4.15,5.15)

