

AgeInStage

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2023-03-08

Stage	Duration (months)	Variance
1	2.699666	4.5885318
2	1.474724	0.7000867
3	1.646790	1.0651277
4	1.494651	0.7393301

X1	X2
Life Expectancy	4.062737
Life Exp Variance	5.865930
longevity	12.000000

X1	X2
Prob of reaching mat	0.0218669
Age at Mat	6.8211804
Generation Time	7.3827459

Table 1: (ref:lifehistory)

Stage	Duration	Sources
Egg	20-35 days	Van Heukelem, 1987. Guard and Mgaya, 2003.
Larval	28-56 days	Van Heukelem, 1987. Guard and Mgaya, 2003. Humber et al., 2006.
1: Immature	No existing estimate	
2: Incipient Maturity	No existing estimate	
3: Mature	No existing estimate	
4: Fully Mature	No existing estimate	
5: Post Laying	45-61 days	Heukelem and Fred, 1976. Van Heukelem, 1987.
Post larval Phase (stage 1-5)	9-18 months	Van Heukelem, 1987. Aina, 2019.