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**CAUDATA**

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**FEMALE BREEDS ANNUALLY** - Do females reproduce every year?

Species	Common Name	Female Breeds Annually
<b>Cryptobranchidae</b>	<b>Giant Salamander</b>	
<i>Cryptobranchus a. alleganiensis</i>	Eastern Hellbender	Some females don't (NEPARC 2000), but apparently annual in PA (Hulse et al. 2001).
<b>Sirenidae</b>	<b>Sirens</b>	
<i>Siren i. intermedia</i>	Eastern Lesser Siren	Unk
<i>Siren lacertina</i>	Greater Siren	Unk
<b>Amphiumidae</b>	<b>Congo Eels</b>	
<i>Amphiuma means</i>	Two-toed Amphiuma	Unk
<b>Proteidae</b>	<b>Waterdogs</b>	
<i>Necturus m. maculosus</i>	Common Mudpuppy	Unk
<i>Necturus punctatus</i>	Dwarf Waterdog	Unk
<b>Salamandridae</b>	<b>True Salamanders</b>	
<i>Notophthalmus v. viridescens</i>	Red-spotted Newt	Most do, but some F skip breeding for 1 or more years (Gill 1985)
<b>Ambystomatidae</b>	<b>Mole Salamanders</b>	
<i>Ambystoma barbouri</i>	Streamside Salamander	N (Pauley pers. comm.)
<i>Ambystoma jeffersonianum</i>	Jefferson Salamander	N (Downs 1989, Pauley pers. comm.)
<i>Ambystoma laterale</i>	Blue-spotted Salamander	N (Pauley pers. comm.)
<i>Ambystoma mabeei</i>	Mabee's Salamander	N (Pauley pers. comm.)
<i>Ambystoma maculatum</i>	Spotted Salamander	Some (Petranka 1998)
<i>Ambystoma opacum</i>	Marbled Salamander	N (Pauley pers. comm.)
<i>Ambystoma talpoideum</i>	Mole Salamander	N (Pauley pers. comm.)
<i>Ambystoma texanum</i>	Small-mouthed Salamander	N (Pauley pers. comm.)
<i>Ambystoma t. tigrinum</i>	Eastern Tiger Salamander	N (Pauley pers. comm.)
<b>Plethodontidae</b>	<b>Lungless Salamanders</b>	
<i>Aneides aeneus</i>	Green Salamander	No- binennially (Canterbury and Pauley 1994)
<i>Desmognathus auriculatus</i>	Southern Dusky Salamander	Unk
<i>Desmognathus f. fuscus</i>	Northern Dusky Salamander	N (Organ 1961b)
<i>Desmognathus marmoratus</i>	Shovel-nosed Salamander	N (Martof 1962)
<i>Desmognathus monticola</i>	Seal Salamander	N (Organ 1961b)
<i>Desmognathus ochrophaeus</i>	Allegheny Mountain Dusky Salamander	Y (Fitzpatrick 1973)
<i>Desmognathus orestes</i>	Blue Ridge Dusky Salamander	Y (Petranka 1998)
<i>Desmognathus quadramaculatus</i>	Black-bellied Salamander	Unk
<i>Desmognathus welteri</i>	Black Mountain Salamander	N (Felix 2001)
<i>Desmognathus wrighti</i>	Pygmy Salamander	N (Organ 1961b)

<i>Eurycea bislineata</i>	Northern Two-lined Salamander	Y (Petranka 1998)
<i>Eurycea cirrigera</i>	Southern Two-lined Salamander	Y (Petranka 1998)
<i>Eurycea guttolineata</i>	Three-lined Salamander	Unk
<i>Eurycea l. longicauda</i>	Long-tailed Salamander	Y- in AR (Ireland 1974)
<i>Eurycea lucifuga</i>	Cave Salamander	Y
<i>Eurycea wilderae</i>	Blue Ridge Two-lined Salamander* filled in with same info as <i>E. bislineata</i> and <i>E. cirrigera</i> because recently split and little new info. specifically for this sp.	Y (Petranka 1998)
<i>Gyrinophilus p. duryi</i>	Kentucky Spring Salamander	Unk
<i>Gyrinophilus p. porphyriticus</i>	Northern Spring Salamander	Y (Bruce 1969, 1972)
<i>Gyrinophilus subterraneus</i>	West VA Spring Salamander	Unk
<i>Hemidactylium scutatum</i>	Four-toed Salamander	Unk
<i>Plethodon chlorobryonis</i>	Atlantic Coast Slimy Salamander	Unk
<i>Plethodon cinereus</i>	Eastern Red-backed Salamander	Varies by location (Petranka 1998)
<i>Plethodon cylindraceus</i>	White-spotted Slimy Salamander	Unk
<i>Plethodon electromorphus</i>	Northern Ravine Salamander	N (Pfungsten and Downs 1989)
<i>Plethodon g. glutinosus</i>	Northern Slimy Salamander	N (Petranka 1998)
<i>Plethodon hoffmani</i>	Valley and Ridge Salamander	N (Pfungsten and Downs 1989)
<i>Plethodon hubrichti</i>	Peaks of Otter Salamander	Unk
<i>Plethodon jordani</i>	Jordan's Salamander	N (Petranka 1998)
<i>Plethodon kentucki</i>	Cumberland Plateau Salamander	N (Petranka 1998)
<i>Plethodon nettingi</i>	Cheat Mountain Salamander	Unk
<i>Plethodon punctatus</i>	Cow Knob Salamander	Y (VAFWS 2001)
<i>Plethodon richmondi</i>	Ravine Salamander	N (Jewell and Pauley 1995)
<i>Plethodon shenandoah</i>	Shenandoah Salamander	N, biennial (Petranka 1998)
<i>Plethodon ventralis</i>	Southern Zigzag Salamander	Unk
<i>Plethodon virginia</i>	Shenandoah Mountain Salamander	Unk
<i>Plethodon wehrlei</i>	Wehrle's Salamander	Y PA, N NY (biennial) (Petranka 1998)
<i>Plethodon welleri</i>	Weller's Salamander	Unk
<i>Plethodon yonahlossee</i>	Yonahlossee Salamander	Unk
<i>Pseudotriton m. montanus</i>	Eastern Mud Salamander	Y (Petranka 1998)
<i>Pseudotriton m. diastictus</i>	Midland Mud Salamander	Unk
<i>Pseudotriton r. ruber</i>	Northern Red Salamander	Y (Bruce 1978)
<i>Pseudotriton r. nitidus</i>	Blue Ridge Red Salamander	Unk
<i>Stereochilus marginatus</i>	Many-lined Salamander	Y (Petranka 1998)

**Female Breeds Annually Codes:** Y = yes, N = no, Unk = unknown