

Additional file 3 – *Plethodon* specimens used in this study

New data for this study were collected from the following specimens of *Plethodon* and outgroups from the listed localities. Whenever possible, existing data was matched by individual to the new data. Numbers following species names correspond to specimen numbers used in the figures. Acronyms for voucher specimens are as follows: AC = Andy Coleman field series; APPSU = Appalachian State University collection; DBS = Don B. Shepard field series; DWW = David W. Weisrock field series; JB = Joseph Bernardo field series (to be deposited in M. L. Bean Museum at Brigham Young University), JJW = John J. Wiens field series (to be deposited at U.S. National Museum); RH = Richard Highton field series; RMB = Ronald M. Bonett specimen number; RWV = R. Wayne VanDevender field series; SDF = San Diego Natural History Museum field series; UTA A = University of Texas at Arlington amphibian collection; UABC = Universidad Autonoma de Baja California.

Species	Voucher	State	County	Locality
<i>Aneides</i>	SDF	CA		Vivarium (no voucher)
<i>lugubris</i>	2655			
<i>Desmognat</i>	JJW 1688	NC	Madison	Cherokee National Forest; near head of Betty
<i>hus</i>			County	Place Trail, along West Branch of Shut-in Creek;
<i>carolinensi</i>				off of Upper Shut-In Road south of Highway
<i>s-l</i>				25/70 , west of Hot Springs: 35°51.694 N; 82°54.574 W
<i>Desmognat</i>	JJW 1689	NC	Madison	Cherokee National Forest; near head of Betty
<i>hus</i>			County	Place Trail, along West Branch of Shut-in Creek;

<i>carolinensi</i>				off of Upper Shut-In Road south of Highway
<i>s-2</i>				25/70 , west of Hot Springs: 35°51.694 N; 82°54.574 W
<i>Eurycea</i>	JJW 1832	NY	Rockland	Orangeburg, Tackamack Town Park, Clausland
<i>bislineata-</i>				Mountain Road, ca. 1 mile west of Route 5:
<i>1</i>				41.0626 N; 73.94008 W
<i>Eurycea</i>	JJW 1837	NJ	Warren	Delaware Water Gap; Worthington State Forest,
<i>bislineata-</i>				Dunnfield Creek Natural Area at Highway 80
<i>2</i>				near Pennsylvania border N 40 58.328 W 075 07.542
<i>Ensatina</i>	SDF	CA	Monterey	No voucher
<i>eschscholtz</i>	1861			
<i>ii</i>				
<i>Ensatina</i>	UABC			Baja California, Mexico
<i>klauberi</i>	1434, SDF 1167			
<i>Plethodon</i>	RMB	AR	Garland	Tributary of Cearley Creek, ~4 mi west of Royal
<i>albagula</i>	2041			on Highway 270
<i>Plethodon</i>	UTA A-	NC	Henderso	Grant Mountain
<i>amplus</i>	56963		n	

<i>Plethodon</i>	RWV	AR	Newton	RMB locality #9, 2002
<i>angusticlav</i>	S58A			
<i>ius</i>				
<i>Plethodon</i>	JJW 1759	TN	Monroe	Cherokee National Forest, Grassy Gap on
<i>aureolus-1</i>				Sassafras Ridge, on Highway 165
<i>Plethodon</i>	JJW 1762	TN	Monroe	Cherokee National Forest, Grassy Gap on
<i>aureolus-2</i>				Sassafras Ridge, on Highway 165
<i>Plethodon</i>	UTA A-	AR	Montgom	Caddo Mountains, ca. 1.5 miles W of Black
<i>caddoensis</i>	56964		ery	Springs on SH 8
<i>Plethodon</i>	JJW 1767	GA	Union	Chattahoochee National Forest, near Blairsville,
<i>chatahooch</i>				Gumlog Road; 2515 Old Gumlog Spur
<i>ee</i>				
<i>Plethodon</i>	JJW 1730	NC	Graham	Nantahala National Forest; Stecoah Gap, off
<i>cheoah</i>				Highway 143 NE Robbinsville
<i>Plethodon</i>	UTA A-			
<i>chlorobryo</i>	56966			
<i>nis</i>				
<i>Plethodon</i>	APPSU	NC	Caldwell	Grandfather Mountain, along US Highway 221
<i>cinereus-1</i>	23844			at Dixon Creek
<i>Plethodon</i>	JJW 1081	NY	Suffolk	Manorville, on Highway 111 N of Long Island
<i>cinereus-2</i>				Expressway (Interstate 495) exit 70, behind
				Manorville Community Church
<i>Plethodon</i>	JJW 1641	VA	Washingt	Mount Rogers National Recreation Area, vicinity

<i>cinereus-3</i>			on	of Beartree Campground
<i>Plethodon</i>	PH 9	VA	Madison	Shenandoah National Park: Hawksbill Mountain
<i>cinereus-4</i>				(38° 33' 20" N; 78° 23' 11" W)
<i>Plethodon</i>	UTA A-	NC	Buncomb	Shumont Mt. Road, 1 mile E. of NC 9
<i>cylindraceu</i>	56967		e	
<i>s</i>				
<i>Plethodon</i>	APPSU	KY	Bullitt	Coll. by John McGregor
<i>dorsalis</i>	24549			
<i>Plethodon</i>	RH	PA	Beaver	near Frankfort Springs, 49° 29' 50" N; 80° 25'
<i>electromor</i>	54087			52" W
<i>phus</i>				
<i>Plethodon</i>	RH 75-29	OR		
<i>elongatus</i>				
<i>Plethodon</i>	DBS 485	AR	Polk	Fourche Mountains, Foran Gap
<i>fourchensi-</i>				
<i>2</i>				
<i>Plethodon</i>	APPSU	GA	Dade	Trenton, Highway 136, 1.3 mi N of Interstate
<i>glutinosus-</i>	10209			Highway 59
<i>1</i>				
<i>Plethodon</i>	JJW 1704	TN	Cocke	Cherokee National Forest; road to Meadow
<i>glutinosus-</i>				Creek Firetower off Paint Creek Road, Burnettt
<i>2</i>				Creek
<i>Plethodon</i>	JJW 1809	NY	Rockland	Orangeburg, Highway 9W; ~1 mi north of road

<i>glutinosus-</i>				to Snedens Landing
3				
<i>Plethodon</i>	UTA A-	IN	Monroe	Kerr Creek, off of Kerry Drive and Route 46,
<i>glutinosus-</i>	56969			Bloomington
4				
<i>Plethodon</i>	AC-02-	AL	Butler	Greenville
<i>grobmani-1</i>	41			
<i>Plethodon</i>	UTA A-	FL	Jackson	Spring Creek, E. of Marianna
<i>grobmani-2</i>	56970			
<i>Plethodon</i>	JB 201-	MD	Allegheny	Jennings Run
<i>hoffmani</i>	05			
<i>Plethodon</i>	JJW 1782	VA	Bedford	Jefferson National Forest; Blue Ridge Parkway,
<i>hubrichti</i>				just west of Peaks of Otter Campground,
				mountain slope across from Headforemost
				Mountain Viewpoint
<i>Plethodon</i>	UTA	ID	Idaho	Selway River at O'Hara
<i>idahoensis</i>	A56971			
<i>Plethodon</i>	JB 201-	NC	Haywood	Great Smoky Mountains: Mount Sterling
<i>jordani</i>	73-01			
<i>Plethodon</i>	RH	KY	Bell	Log Mountain
<i>kentucki</i>	66693			
<i>Plethodon</i>	RH	OK	LeFlore	34° 36' 55" N; 94° 29' 50" W
<i>kiamichi</i>	58676			

<i>Plethodon kisatchie</i>	RMB 2990	LA	Grant	Kisatchie National Forest, small unmarked road off SR 500 between Georgetown and Zion, ca. 5 miles W junction of SH 165 and SR 500
<i>Plethodon longicrus</i>	APPSU 24566	NC	Henderso n	Bearwallow Mountain, forest service road to fire tower; 35° 27.77' N; 82° 22.19' W
<i>Plethodon meridianus</i>	APPSU 24811	NC	Burke	South Mountain State Park; Waterfall Trail near park headquarters
<i>Plethodon metcalfi</i>	RH 76539	NC	Jackson	Sandy Gap; 35° 12' 07" N; 83° 05' 21" W; 1274 m; Blue Ridge Isolate
<i>Plethodon mississippi</i>	APPSU 10214	AL	Tuscaloos a	Tuscaloosa, Lake Nicol at Lake Nicol Road
<i>Plethodon montanus</i>	DWW 223	NC	Watagua	Grady Winkler Road, 36° 16.028' N; 81° 41.517' W
<i>Plethodon nettingi</i>	RH 66737	W V	Pocohonta s	Gaudineer Knob
<i>Plethodon oconaluftee</i>	JJW 1626	TN	Monroe	Nantahala National Forest: Sassafras Ridge, Grassy Gap off Highway 143
<i>Plethodon ocmulgee</i>	RH 77028	GA	Dodge	32° 05' 38" N; 82° 53' 35" W
<i>Plethodon ouachitae</i>	DBS 405	OK	Le Flore	Winding Stair Mountain
<i>Plethodon petraeus</i>	RWV S21-B	GA	Walker	Pigeon Mountain

<i>Plethodon punctatus</i>	JJW 1796	W	Pendleton	Shenandoah Mountain, Hall Spring Hunters Access Road off of Route 33, 0.2 mi (by road) from Virginia line
<i>Plethodon richmondi</i>	RMB 2790	KY	Owen	US 127 at Eagle Creek
<i>Plethodon savanahah</i>	RH 70361	GA	Richmond	ENE of Hephzibah just NW intersection of U.S. Route 25 (Peach Orchard Road) and Rheney Road
<i>Plethodon sequoyah</i>	APPSU 24547	OK	McCurta n	Beaver's Bend State Park
<i>Plethodon serratus</i>	JJW 1765	TN	Monroe	Cherokee National Forest, Grassy Gap on Sassafras Ridge, on Highway 165
<i>Plethodon shenandoa h-1</i>	PS H10	VA	Page	Hawksbill Mountain, Shenandoah National Park
<i>Plethodon shenandoa h-2</i>	PS H8	VA	Page	Hawksbill Mountain, Shenandoah National Park
<i>Plethodon shermani</i>	DWW 25	NC	Clay	Tusquitee Isolate; 35° 9.205' N; 83° 45.067' W
<i>Plethodon teyahalee</i>	RH 55224	NC	Macon	35° 06' 20" N; 83° 17' 05" W
<i>Plethodon</i>	UTA A-	W	Lewis	Tributary of Tilton River

<i>vandykei</i>	56609	A		
<i>Plethodon</i>	UTA A-	SC	Berkeley	Francis Marion National Forest, McConnel
<i>variolatus</i>	56960			Landing, along Santee River
<i>Plethodon</i>	UTA A-	W	Lewis	Tributary of Tilton River
<i>vehiculum</i>	56610	A		
<i>Plethodon</i>	UTA A-	KY	Pulaski	Hale Cave
<i>ventralis</i>	56974			
<i>Plethodon</i>	JJW 1800	W	Pendleton	Hall Spring Hunters Access Road, Shenandoah
<i>virginia</i>		V		Mountain, Route 33, 0.2 mi (by road) from Virginia line
<i>Plethodon</i>	APPSU	SC	McCormi	Stevens Creek at State Secondary Route 88 close
<i>websteri</i>	24208		ck	to Clarks Hill
<i>Plethodon</i>	RWV	NC	Allegheny	Saddle Mountain
<i>wehrlei</i>	S18			
<i>Plethodon</i>	JB 202-	VA	Grayson	Whitetop Mountain
<i>welleri</i>	19			
<i>Plethodon</i>	JJW 1616	VA	Washingt	Mount Rogers National Recreation Area: vicinity
<i>yonahlosse</i>			on	of Beartree Campground, Lum Trail
<i>e-1</i>				
<i>Plethodon</i>	RMB	NC	Watauga	0.7 mi E junction with Shulls Mill Road
<i>yonahlosse</i>	2458			
<i>e-2</i>				