Thermal acclimation data table

genus	species	group	Acclim. Time (d)	Cool Rate (C/min)	Heat rate (C/min)	latitude	longitude	habitat	Max CTmax (C)	Min CTmin (C)	CTmax ARR	CTmin ARR	seasonality (C)	ref
Ascaphus	truei	amph	6	NA	1	46.877696	-113.990799	t	29.5	NA	0.11	NA	8.16	[1]
Bufo	fowleri	amph	14	NA	1	40.789142	-73.13496	t	36.6	NA	0.16	NA	8.294	[2]
Bufo	marinus	amph	14	NA	1	9.152102	-79.84648	t	41.8	NA	0.21	NA	0.684	[2]
Bufo	boreas	amph	14	NA	1	33.862237	-118.399519	t	38.1	NA	0.13	NA	2.947	[2]
Bufo	boreas	amph	14	NA	1	33.646966	-117.689218	t	37.8	NA	0.11	NA	3.597	[2]
Bufo	boreas	amph	14	NA	1	51.091389	-121.586667	t	35.5	NA	0.06	NA	8.02	[2]
Bufo	exsul	amph	14	NA	1	37.371667	-117.985	t	37.1	NA	0.08	NA	7.869	[2]
Bufo	nelsoni	amph	14	NA	1	36.908557	-116.759226	t	36.2	NA	0.04	NA	8.56	[2]
Bufo	canorus	amph	14	NA	1	37.911037	-119.25793	t	38	NA	0.14	NA	5.64	[2]
Bufo	haematiticus	amph	14	NA	1	9.913056	-83.682778	t	37.5	NA	0.10	NA	0.642	[2]
Bufo	marmoreus	amph	14	NA	1	16.183333	-95.2	t	40.2	NA	0.09	NA	1.269	[2]
Bufo	alvarius	amph	14	NA	1	27.953366	-110.86929	t	39.9	NA	0.18	NA	4.941	[2]
Bufo	cognatus	amph	14	NA	1	27.953366	-110.86929	t	41.3	NA	0.18	NA	4.941	[2]
Bufo	mazatlanensis	amph	14	NA	1	21.567292	-105.245325	t	39.9	NA	0.15	NA	2.846	[2]
Bufo	debilis	amph	14	NA	1	21.567292	-105.245325	t	40.1	NA	0.15	NA	2.846	[2]
Bufo	compactilis	amph	14	NA	1	21.363487	-101.929274	t	36.9	NA	0.12	NA	2.76	[2]
Eleutherodactylus	coqui	amph	7	NA	0.5	18.402807	-66.050137	t	37.4	NA	0.03	NA	1.251	[3]
Pseudacris	regilla	amph	14	NA	1	33.646966	-117.689218	t	36.6	NA	0.19	NA	3.597	[2]
Hyla	walkeri	amph	14	NA	1	16.737142	-92.637567	t	38.1	NA	0.12	NA	1.187	[2]
Hyla	californiae	amph	14	NA	1	34	-117.396119	t	36.8	NA	0.32	NA	4.875	[2]
Smilisca	baudinii	amph	14	NA	1	24.771044	-107.694788	t	40.4	NA	0.29	NA	3.949	[2]
Pternohyla	fodiens	amph	14	NA	1	21.567292	-105.245325	t	39.5	NA	0.16	NA	2.846	[2]

Litoria	aurea	amph	10	NA	1	-38.916664	146.333333	t	36.2	NA	0.09	NA	2.964	[4]
Litoria	rubella	amph	10	NA	1	-20.012274	148.246291	t	39.5	NA	0.18	NA	3.015	[4]
Litoria	rubella	amph	10	NA	1	-17.093286	145.923522	t	38.7	NA	0.15	NA	2.477	[4]
Litoria	rubella	amph	10	NA	1	-19.257622	146.817879	t	39.3	NA	0.18	NA	3.094	[4]
Litoria	peroni	amph	10	NA	1	-33.456091	151.348206	t	36.3	NA	0.26	NA	3.79	[4]
Litoria	peroni	amph	10	NA	1	-30.514342	151.666964	t	36.2	NA	0.16	NA	4.742	[4]
Litoria	rothii	amph	10	NA	1	-20.012274	148.246291	t	38.9	NA	0.14	NA	3.015	[4]
Litoria	rothii	amph	10	NA	1	-17.093286	145.923522	t	39.4	NA	0.38	NA	2.477	[4]
Litoria	lesueri	amph	10	NA	1	-16.920334	145.77086	t	34.2	NA	0.08	NA	2.404	[4]
Litoria	lesueri	amph	10	NA	1	-37.496175	148.17353	t	34.5	NA	0.20	NA	3.755	[4]
Litoria	lesueri	amph	10	NA	1	-37.496546	148.235908	t	33.1	NA	0.14	NA	3.766	[4]
Litoria	ewingi	amph	10	NA	1	-30.514342	151.666964	t	32.8	NA	0.11	NA	4.742	[4]
Litoria	ewingi	amph	10	NA	1	-37.359262	142.59155	t	32.6	NA	0.09	NA	4.047	[4]
Litoria	ewingi	amph	10	NA	1	-37.87133	145.24246	t	34	NA	0.14	NA	3.753	[4]
Litoria	alpina	amph	10	NA	1	-36.455917	148.263588	t	32.9	NA	0.17	NA	4.833	[4]
Litoria	alpina	amph	10	NA	1	-37.833306	146.266671	t	32.2	NA	0.16	NA	4.18	[4]
Litoria	bicolor	amph	10	NA	1	-17.093286	145.923522	t	41.4	NA	0.29	NA	2.477	[4]
Litoria	fallax	amph	10	NA	1	-17.093286	145.923522	t	41.6	NA	0.21	NA	2.477	[4]
Litoria	fallax	amph	10	NA	1	-19.257622	146.817879	t	39.6	NA	0.03	NA	3.094	[4]
Litoria	fallax	amph	10	NA	1	-33.456091	151.348206	t	37.5	NA	0.15	NA	3.79	[4]
Litoria	caerulea	amph	10	NA	1	-19.257622	146.817879	t	39.2	NA	0.19	NA	3.094	[4]
Litoria	chloris	amph	10	NA	1	-17.266821	145.476035	t	38.3	NA	0.07	NA	2.704	[4]
Litoria	gracilenta	amph	10	NA	1	-17.266821	145.476035	t	38.3	NA	0.09	NA	2.704	[4]
Acris	crepitans	amph	5	NA	0.6	42.779442	-96.92921	t	43.2	NA	0.08	NA	11.144	[5]
Pseudacris	triseriata	amph	5	NA	0.6	42.779442	-96.92921	t	40.4	NA	0.07	NA	11.144	[5]
Cophixalus	ornatus	amph	10	NA	1	-17.806672	146.007098	t	33.3	NA	0.11	NA	2.719	[4]
Crinia	signifera	amph	10	NA	1	-30.514342	151.666964	t	35.3	NA	0.15	NA	4.742	[4]
Crinia	signifera	amph	10	NA	1	-36.455917	148.263588	t	34.9	NA	0.13	NA	4.833	[4]

Crinia	signifera	amph	10	NA	1	-37.496175	148.17353	t	35.5	NA	0.16	NA	3.755	[4]
Crinia	signifera	amph	10	NA	1	-37.87133	145.24246	t	33.5	NA	0.03	NA	3.753	[4]
Crinia	signifera	amph	10	NA	1	-37.359262	142.59155	t	35.7	NA	0.21	NA	4.047	[4]
Crinia	signifera	amph	10	NA	1	-42.300245	147.370999	t	33.5	NA	0.14	NA	3.418	[4]
Crinia	laevis	amph	10	NA	1	-37.359262	142.59155	t	34.6	NA	0.23	NA	4.047	[4]
Crinia	victoriana	amph	10	NA	1	-36.758711	144.283746	t	35	NA	0.13	NA	4.844	[4]
Pseudophryne	corroboree	amph	10	NA	1	-36.391785	148.427442	t	35.2	NA	0.16	NA	4.722	[4]
Pseudophryne	bibronii	amph	10	NA	1	-33.456091	151.348206	t	36.2	NA	0.29	NA	3.79	[4]
Pseudophryne	bibronii	amph	10	NA	1	-36.691685	145.886735	t	35	NA	0.17	NA	5.037	[4]
Philoria	frosti	amph	10	NA	1	-37.833306	146.266671	t	28.8	NA	0.08	NA	4.18	[4]
Limnodynastes	peronii	amph	10	NA	1	-17.093286	145.923522	t	34.1	NA	0.18	NA	2.477	[4]
Limnodynastes	dorsalis	amph	10	NA	1	-31.090742	150.930838	t	36.5	NA	0.22	NA	5.187	[4]
Limnodynastes	dorsalis	amph	10	NA	1	-38.916664	146.333333	t	35	NA	0.09	NA	2.964	[4]
Limnodynastes	tasmaniensis	amph	10	NA	1	-30.514342	151.666964	t	33.4	NA	0.18	NA	4.742	[4]
Chiropterotrition	multidentatus	amph	12	NA	NA	20.194491	-98.722227	t	34	NA	0.16	NA	1.571	[6]
Rana	vergatipes	amph	6	NA	0.54	39.86	-74.69	t	38	NA	0.11	NA	8.405	[7]
Rana	pipiens	amph	14	NA	1	10.015501	-83.788401	t	35.7	NA	0.19	NA	0.585	[2]
Rana	palmipes	amph	14	NA	1	9.913056	-83.682778	t	36.9	NA	0.17	NA	0.642	[2]
Rana	cascadae	amph	14	NA	1	39.992683	-120.803947	t	33.6	NA	0.12	NA	6.414	[2]
Rana	pretiosa	amph	14	NA	1	51.091389	-121.586667	t	34.8	NA	0.12	NA	8.02	[2]
Rana	sylvatica	amph	14	NA	1	51.091389	-121.586667	t	33.6	NA	0.13	NA	8.02	[2]
Rana	clamitans	amph	14	NA	1	40.789142	-73.13496	t	35	NA	0.31	NA	8.294	[2]
Rana	catesbeiana	amph	14	NA	1	40.789142	-73.13496	t	33.6	NA	0.11	NA	8.294	[2]
Rana	palustris	amph	14	NA	1	40.789142	-73.13496	t	31.3	NA	0.09	NA	8.294	[2]
Buergeria	japonica	amph	7	NA	0.31	24.552778	121.500278	fw	44.7	NA	0.01	NA	3.919	[8]
Buergeria	japonica	amph	7	NA	0.31	23.455556	120.605	fw	43.9	NA	0.15	NA	3.499	[8]
Scaphiopus	hammondii	amph	14	NA	1	33.646966	-117.689218	t	40.3	NA	0.19	NA	3.597	[2]
Scaphiopus	holbrooki	amph	14	NA	1	40.789142	-73.13496	t	34	NA	0.33	NA	8.294	[2]

Ambystoma	jeffersoni	amph	10	NA	0.6	39.424142	-84.185712	t	36.1	NA	0.08	NA	9.088	[9]
Ambystoma	opacum	amph	30	NA	0.55	35.994033	-78.898619	t	38.5	NA	0.10	NA	7.634	[10]
Cryptobranchus	alleganiensis	amph	14	NA	NA	36.672006	-92.381362	fw	36.6	NA	0.20	NA	8.615	[11]
Necturus	maculosus	amph	14	NA	1	45.638378	-89.413769	fw	35.7	NA	0.17	NA	11	[12]
Desmognathus	fuscus	amph	7	0.75	0.75	39.777825	-84.689749	t	34.9	-2.3	0.08	0.19	9.225	[13]
Eurycea	bislineata	amph	7	0.75	0.75	39.777825	-84.689749	t	35.5	-2	0.11	0.23	9.225	[14]
Desmognathus	quadramaculatus	amph	5	0.65	NA	35.0964	-83.719914	t	NA	-2.5	NA	0.31	6.997	[15]
Desmognathus	monticola	amph	5	0.65	NA	35.0964	-83.719914	t	NA	-1.4	NA	0.27	6.997	[15]
Desmognathus	ochrophaeus	amph	5	0.65	NA	35.0964	-83.719914	t	NA	-1.8	NA	0.28	6.997	[15]
Plethodon	jordani	amph	5	0.65	NA	35.0964	-83.719914	t	NA	-2	NA	0.19	6.997	[15]
Triturus	dobrogicus	amph	70	NA	0.5	46.891402	19.443249	fw	37.9	NA	0.11	NA	7.771	[16]
Notophthalmus	viridescens	amph	30	NA	0.55	36.494084	-81.119608	t	42.7	NA	0.21	NA	7.314	[10]
Bufo	boreas	amph	14	NA	1	35	NA	t	36.5	NA	0.10	NA	NA	[2]
Pseudacris	regilla	amph	14	NA	1	35	NA	t	37.7	NA	0.20	NA	NA	[2]
Leptodactylus	melanotus	amph	14	NA	1	30	NA	t	39.8	NA	0.56	NA	NA	[2]
Rana	pipiens	amph	14	NA	1	45	NA	t	35.4	NA	0.16	NA	NA	[2]
Rana	pipiens	amph	14	NA	1	17	NA	t	35.2	NA	0.21	NA	NA	[2]
Rana	pipiens	amph	14	NA	1	17	NA	t	37	NA	0.33	NA	NA	[2]
Rana	boylei	amph	14	NA	1	42	NA	t	34	NA	0.12	NA	NA	[2]
Scaphiopus	hammondii	amph	14	NA	1	31	NA	t	40	NA	0.27	NA	NA	[2]
Cancer	pagurus	crust	21	NA	0.2	54.691745	-1.163	sw	30.6	NA	0.49	NA	3.277097022	[17]
Crangon	crangon	crust	14	0.2	0.75	50.336971	-4.150181	sw	35.4	-1.1	0.20	0.28	2.723084514	[18, 19]
Palaemonetes	varians	crust	120	NA	0.93	48.657117	-1.624435	sw	35.9	NA	0.50	NA	3.15386667	[20]
Palaemon	elegans	crust	7	NA	0.75	50.356989	-4.126444	sw	35	NA	0.30	NA	2.723084514	[18]
Palaemon	serratus	crust	7	NA	0.75	50.352533	-4.132247	sw	33.5	NA	0.31	NA	2.723084514	[18]
Palaemon	varians	crust	7	NA	0.75	50.724786	-1.517822	sw	36	NA	0.23	NA	3.172358568	[18]
Palaemon	montagui	crust	7	NA	0.75	51.492167	0.848306	sw	27.6	NA	0.26	NA	3.572310562	[18]
Farfantepenaeus	aztecus	crust	21	NA	1	21.614092	-97.546388	sw	42	NA	0.50	NA	2.594699803	[21]

Carcinus	maenas	crust	21	NA	0.2	54.691745	-1.163	sw	35.8	NA	0.16	NA	3.277097022	[17]
Hemigrapsus	nudus	crust	14	0.5	0.5	48.898884	-125.23	sw	33.6	3.5	0.42	0.22	2.505196373	[22]
Saduria	entomon	crust	14	NA	0.2	60.37347	22.0473	sw	27.5	NA	0.11	NA	5.756155786	[23]
Paramelita	nigroculus	crust	12	NA	1.4	-33.966667	18.416667	fw	35.3	NA	0.17	NA	2.851	[24]
Orchestia	gammarellus	crust	10	NA	1	65.923611	-22.431389	t	38.6	NA	0.14	NA	4.285	[25]
Orchestia	gammarellus	crust	10	NA	1	65.821111	-22.488611	t	37.9	NA	0.15	NA	4.294	[25]
Orchestia	gammarellus	crust	10	NA	1	63.797778	-22.72	t	37.7	NA	0.17	NA	3.774	[25]
Orchestia	gammarellus	crust	10	NA	1	64.019722	-22.155278	t	37.9	NA	0.19	NA	3.986	[25]
Oronectes	rusticus	crust	6	NA	0.6	39.440463	-84.522219	fw	41.3	NA	0.24	NA	9.083	[26]
Oronectes	virilis	crust	6	NA	0.6	39.440463	-84.522219	fw	39.2	NA	0.18	NA	9.083	[26]
Macrobrachium	tenellum	crust	21	NA	1	26.900053	-112	fw	43	NA	0.58	NA	5.293	[27]
Macrobrachium	acanthurus	crust	30	1	1	18.366672	-92.866669	fw	39.8	11	0.48	0.44	1.894	[28]
Macrobrachium	malcolmsonii	crust	30	NA	0.3	11.483078	79.77293	fw	41.4	NA	0.37	NA	2.506	[29]
Asellus	aquaticus	crust	15	NA	0.2	60.451813	22.26663	fw	34.9	NA	0.58	NA	7.957	[30]
Homarus	americanus	crust	21	NA	0.75	41.9	NA	sw	30	NA	0.31	NA	NA	[31]
Macrobrachium	rosenbergii	crust	28	1	1	3.96	NA	sw	42	10.5	0.47	0.50	NA	[32]
Palaemon	macrodactylus	crust	7	NA	0.75	28.16	NA	sw	37.8	NA	0.39	NA	NA	[18]
Litopenaeus	vannamei	crust	30	0.02	0.02	12.17	NA	sw	42.2	7.5	0.41	0.24	NA	[33]
Penaeus	merguiensis	crust	21	0.02	NA	NA	NA	sw	NA	5.3	NA	0.42	NA	[34]
Penaeus	semisulcatus	crust	30	NA	NA	NA	NA	sw	NA	6.4	NA	0.27	NA	[35]
Portunus	pelagicus	crust	21	0.2	0.2	22.12	NA	sw	42.3	11.6	0.22	0.37	NA	[36]
Fundulus	heteroclitus	fish	21	0.3	0.3	42.923704	-70.8	sw	41.8	-1.1	0.41	0.29	5.506663297	[37]
Fundulus	heteroclitus	fish	21	0.3	0.3	31.149953	-81.3	sw	42.5	-1.1	0.36	0.35	3.923082995	[37]
Liza	viagiensis	fish	14	0.31	0.31	-5.464722	123.789	sw	44.5	9.9	0.30	0.42	1.006628034	[38]
Apogon	novemfasciatus	fish	14	0.31	0.31	-5.464722	123.789	sw	40.1	12.9	0.39	0.40	1.006628034	[38]
Gibbonsia	elegans	fish	7	0.05	0.07	34.448598	-120.471551	sw	31.6	3	0.14	0.24	1.703308112	[39]
Gibbonsia	montereyensis	fish	7	0.05	0.07	35.643859	-121.190753	sw	29.3	2.1	0.22	0.17	1.631129057	[39]
Bathygobuis	fuscus	fish	14	0.31	0.31	-5.464722	123.789	sw	42.4	9.2	0.14	0.29	1.006628034	[38]

Bathygobuis	spp	fish	14	0.31	0.31	-5.464722	123.789	sw	42.7	10.2	0.17	0.24	1.006628034	[38]
Notolabrus	celidotus	fish	28	0.03	0.03	-43.603	172.84	sw	32.4	3.5	0.38	0.47	2.116022928	[40]
Pagothenia	borchgrevinki	fish	21	NA	0.3	-77.498275	165.00349	sw	15.2	NA	0.54	NA	0.466910075	[41]
Trematomus	pennelii	fish	21	NA	0.3	-77.498275	165.00349	sw	15.4	NA	0.53	NA	0.466910075	[41]
Trematomus	hansoni	fish	21	NA	0.3	-77.498275	165.00349	sw	15.4	NA	0.39	NA	0.466910075	[41]
Trematomus	bernacchii	fish	21	NA	0.3	-77.498275	165.00349	sw	15	NA	0.24	NA	0.466910075	[41]
Gobionotothen	gibberifrons	fish	7	NA	0.3	-77.498275	165.00349	sw	17.9	NA	0.31	NA	0.466910075	[41]
Notothenia	coriiceps	fish	14	NA	0.3	-77.498275	165.00349	sw	17.4	NA	0.20	NA	0.466910075	[41]
Dascyllus	aruanus	fish	14	0.31	0.31	-5.464722	123.789	sw	40.5	12	0.39	0.33	1.006628034	[38]
Lycodichthys	dearbornii	fish	21	NA	0.3	-77.498275	165.00349	sw	15.4	NA	0.34	NA	0.466910075	[41]
Pachycara	branchycephalum	fish	21	NA	0.3	-77.498275	165.00349	sw	17.2	NA	0.46	NA	0.466910075	[41]
Dasyatis	sabina	fish	20	0.3	0.3	29.805767	-85.354374	sw	43.2	0.8	0.31	0.41	4.381008048	[42]
Campostoma	anomalum	fish	14	NA	1	39.516667	-84.708333	fw	35.8	NA	0.45	NA	9.098	[43]
Gila	bicolor	fish	7	0.14	0.14	35.650789	-117.66173	fw	36.2	2.8	0.23	0.37	8.042	[44]
Pimephales	promelas	fish	7	NA	0.3	33.214841	-97.133068	fw	40.4	NA	0.45	NA	7.996	[45]
Rhinichthys	osculus	fish	20	NA	0.45	43.281888	-110.019611	fw	34.6	NA	0.03	NA	8.237	[46]
Rhinichthys	osculus	fish	20	NA	0.45	42.866111	-109.864722	fw	34.9	NA	0.33	NA	9.164	[46]
Cyprinodon	variegatus	fish	30	0.1	0.1	26.065634	-97.158582	fw	44.2	0.6	0.29	0.32	4.91	[47]
Cyprinodon	spp	fish	7	NA	0.3	36.513859	-116.977884	fw	43.6	NA	0.23	NA	9.28	[48]
Cyprinodon	macularis	fish	7	NA	0.5	32.057499	-111.666072	fw	43.2	NA	0.30	NA	7.001	[49]
Cyprinodon	nevadensis	fish	7	0.03	0.03	36.243562	-116.856719	fw	42.7	0.8	0.14	0.17	9.116	[50]
Poecilia	sphenops	fish	30	1	1	17.033333	-96.5	fw	43	7.5	0.30	0.30	1.346	[51]
Gambusia	affinis	fish	30	NA	0.3	40.806281	-111.947806	fw	42.1	NA	0.36	NA	9.093	[52]
Gambusia	affinis	fish	30	NA	0.3	32.998333	-109.9	fw	43.2	NA	0.34	NA	7.754	[52]
Limia	melanonotata	fish	10.5	NA	0.3	18.221208	-71.102408	fw	43	NA	0.31	NA	0.992	[53]
Lepomis	gibbosus	fish	14	NA	0.3	46.285691	-119.284462	fw	35.1	NA	0.50	NA	7.809	[54]
Lepomis	macrochirus	fish	14	NA	1	33.289983	-81.727939	fw	40.9	NA	0.46	NA	6.946	[55]
Oncorhynchus	kisutch	fish	14	NA	0.3	46.285691	-119.284462	fw	28.7	NA	0.34	NA	7.809	[54]

Oncorhynchus	apache	fish	14	NA	0.02	33.691813	-109.78924	fw	29.4	NA	0.09	NA	6.841	[56]
Oncorhynchus	gilae	fish	14	NA	0.02	33.301322	-107.96392	fw	29.6	NA	0.13	NA	6.77	[56]
Salmo	salar	fish	14	NA	0.033	54.243864	-3.004282	fw	32.7	NA	0.02	NA	4.623	[57]
Salmo	trutta	fish	14	NA	0.02	33.931329	-109.58989	fw	29.9	NA	0.09	NA	6.014	[56]
Salvelinus	fontinalis	fish	14	NA	0.02	33.931329	-109.58989	fw	29.8	NA	0.11	NA	6.014	[56]
Thymallus	arcticus	fish	14	NA	0.4	45.657306	-112.9033	fw	29.3	NA	0.25	NA	7.809	[58]
Cottus	cognatus	fish	14	NA	0.5	41.88	-87.63	fw	29.4	NA	0.43	NA	9.851	[59]
Acipenser	brevirostrum	fish	7	NA	0.1	32.89	NA	fw	35.1	NA	0.30	NA	NA	[60]
Prochilodus	scrofa	fish	30	0.1	0.1	-22	NA	fw	42.6	6.5	0.47	0.41	NA	[61]
Labeo	rohita	fish	30	0.3	0.3	18.9	NA	fw	42.9	13.7	0.24	0.19	NA	[62]
Catla	catla	fish	30	0.3	0.3	20.44	NA	fw	42.7	13.9	0.24	0.18	NA	[62]
Cirrhinus	mrigala	fish	30	0.3	0.3	20.63	NA	fw	43.1	12.1	0.08	0.19	NA	[62]
Carassius	auratus	fish	20	0.3	0.3	24.45	NA	fw	43.6	0.3	0.44	0.41	NA	[63]
Danio	rerio	fish	11	0.3	0.3	21.37	NA	fw	41.7	6.2	0.25	0.44	NA	[64]
Tor	putitora	fish	30	NA	0.3	21.95	NA	fw	41.8	NA	0.47	NA	NA	[65]
Xiphophorus	maculatus	fish	7	0.13	0.13	21.9	NA	fw	41.5	9.6	0.11	0.39	NA	[66]
Gasterosteus	aculeatus	fish	NA	NA	0.25	38.57	NA	sw	34.6	NA	0.27	NA	NA	[67]
Anabas	testudineus	fish	30	0.3	0.3	9.45	NA	fw	41.9	12.4	0.17	0.15	NA	[68]
Micropterus	salmoides	fish	20	0.3	0.3	34.7	NA	fw	38.5	3.2	0.31	0.75	NA	[69]
Pterophyllum	scalare	fish	30	NA	1	-2.17	NA	fw	41.2	NA	0.41	NA	NA	[70]
Dicentrarchus	labrax	fish	35	0.3	0.3	36.761069	NA	sw	36	4.1	0.28	0.27	NA	[71]
Oncorhynchus	mykiss	fish	20	0.3	0.3	38.3	NA	fw	29.8	0	0.18	0.20	NA	[69]
Oncorhynchus	clarkii	fish	NA	NA	0.4	48.23	NA	sw	29.9	NA	0.23	NA	NA	[72]
Sebastiscus	marmoratus	fish	14	0.08	0.08	23.57	NA	sw	32.8	4.9	0.31	0.31	NA	[73]
Horabagrus	brachysoma	fish	30	0.3	0.3	21.85	NA	fw	42.8	13.2	0.37	0.22	NA	[74]
Ictalurus	punctatus	fish	20	0.3	0.3	36.73	NA	fw	40.3	2.7	0.39	0.71	NA	[69]
Pangasius	pangasius	fish	30	0.3	0.3	22.57	NA	fw	44.1	12.4	0.17	0.60	NA	[75]
Chirodica	chalcoptera	insect	7	0.25	0.25	-33.6	18.58	t	41.9	0.1	-0.13	0.16	3.25	[76]

Palirhoeus	eatoni	insect	7	0.25	0.25	-46.896448	37.750885	t	36.9	-3.6	0.07	0.10	1.376	[77]
Palirhoeus	eatoni	insect	7	0.25	0.25	-53.08181	73.504158	t	35.6	-5.4	-0.28	-0.19	2.314	[77]
Bothrometopus	randi	insect	7	0.25	0.25	-46.896448	37.750885	t	36.3	-4.5	0.05	0.09	1.376	[77]
Bothrometopus	parvulus	insect	7	0.25	0.25	-46.896448	37.750885	t	38	-4.7	-0.01	0.09	1.376	[77]
Bothrometopus	parvulus	insect	7	0.25	0.25	-46.896448	37.750885	t	38.7	-5.3	0.01	0.17	1.376	[77]
Bothrometopus	parvulus	insect	7	0.25	0.25	-46.896448	37.750885	t	38.2	-4.6	0.01	0.10	1.376	[77]
Bothrometopus	parvulus	insect	7	0.25	0.25	-46.896448	37.750885	t	38.4	-5.5	0.03	0.14	1.376	[77]
Bothrometopus	parvulus	insect	7	0.25	0.25	-46.896448	37.750885	t	39.4	-6.2	0.09	0.17	1.376	[77]
Bothrometopus	parvulus	insect	7	0.25	0.25	-46.896448	37.750885	t	38.1	-5.3	-0.02	0.11	1.376	[77]
Bothrometopus	elongatus	insect	7	0.25	0.25	-46.896448	37.750885	t	38.4	-5.2	-0.01	0.15	1.376	[77]
Bothrometopus	elongatus	insect	7	0.25	0.25	-46.896448	37.750885	t	38.1	-4.5	-0.03	0.07	1.376	[77]
Bothrometopus	elongatus	insect	7	0.25	0.25	-46.896448	37.750885	t	38.5	-6.3	0.01	0.16	1.376	[77]
Bothrometopus	elongatus	insect	7	0.25	0.25	-46.896448	37.750885	t	39	-6.6	0.11	0.16	1.376	[77]
Bothrometopus	elongatus	insect	7	0.25	0.25	-46.896448	37.750885	t	37.4	-5.5	0.10	0.10	1.376	[77]
Ectemnorhinus	marioni	insect	7	0.25	0.25	-46.896448	37.750885	t	37.2	-5.5	0.04	0.13	1.376	[77]
Ectemnorhinus	marioni	insect	7	0.25	0.25	-46.896448	37.750885	t	37.5	-4.7	-0.03	-0.03	1.376	[77]
Ectemnorhinus	marioni	insect	7	0.25	0.25	-46.896448	37.750885	t	37.4	-5.5	0.09	0.13	1.376	[77]
Ectemnorhinus	marioni	insect	7	0.25	0.25	-46.896448	37.750885	t	38.2	-4.6	0.01	0.07	1.376	[77]
Ectemnorhinus	similis	insect	7	0.25	0.25	-46.896448	37.750885	t	38.3	-5	0.06	0.10	1.376	[77]
Ectemnorhinus	similis	insect	7	0.25	0.25	-46.896448	37.750885	t	38	-6	0.03	0.13	1.376	[77]
Ectemnorhinus	similis	insect	7	0.25	0.25	-46.896448	37.750885	t	39	-5.8	0.15	0.09	1.376	[77]
Ectemnorhinus	similis	insect	7	0.25	0.25	-46.896448	37.750885	t	39.3	-5.2	0.13	0.10	1.376	[77]
Canonopsis	sericeus	insect	7	0.25	0.25	-53.08181	73.504158	t	38.8	-5.9	-0.03	-0.12	2.314	[77]
Canonopsis	sericeus	insect	7	0.25	0.25	-53.08181	73.504158	t	39.9	-5.5	-0.35	-0.03	2.314	[77]
Bothrometopus	brevis	insect	7	0.25	0.25	-53.08181	73.504158	t	36.5	-5.1	-0.24	0.01	2.314	[77]
Bothrometopus	brevis	insect	7	0.25	0.25	-53.08181	73.504158	t	35.8	-5.4	0.17	0.05	2.314	[77]
Bothrometopus	gracilipes	insect	7	0.25	0.25	-53.08181	73.504158	t	37.5	-6	-0.45	0.17	2.314	[77]
Ectemnorhinus	viridis	insect	7	0.25	0.25	-53.08181	73.504158	t	35.1	-4.6	-0.05	0.03	2.314	[77]

Ectemnorhinus	viridis	insect	7	0.25	0.25	-53.08181	73.504158	t	36.5	-6.1	0.12	0.23	2.314	[77]
Halmaeusa	atriceps	insect	7	0.5	0.5	-46.9	37.75	t	32.4	-4.1	0.12	0.15	1.376	[78]
Anopheles	funestus	insect	6	0.25	0.25	-25.256988	32.537274	t	40.9	7.7	0.14	0.18	2.784	[79]
Anopheles	arabiensis	insect	6	0.25	0.25	-15.627463	30.419199	t	40.3	7.7	0.20	0.19	3.108	[79]
Culex	pipiens	insect	4.5	NA	0.5	38.833882	-104.821363	t	43.4	NA	0.11	NA	8.057	[80]
Drosophila	putrida	insect	5	NA	0.5	35.106077	-82.625856	t	41.3	NA	0.05	NA	7.085	[81]
Drosophila	falleni	insect	5	NA	0.5	35.106077	-82.625856	t	40.4	NA	0.04	NA	7.085	[81]
Drosophila	tripunctata	insect	5	NA	0.5	35.106077	-82.625856	t	40.1	NA	0.03	NA	7.085	[81]
Glossina	pallidipes	insect	10	0.25	0.25	0.692778	34.181111	t	44.4	4.5	0.03	0.27	0.706	[82]
Castanophlebia	spp	insect	2	NA	0.34	-33.461667	19.616389	fw	32.9	NA	0.19	NA	4.244	[83]
Lestagella	penicillata	insect	2	NA	0.34	-33.461667	19.616389	fw	31.7	NA	0.16	NA	4.244	[83]
Lestagella	penicillata	insect	2	NA	0.34	-33.944167	19.024722	fw	30.8	NA	0.34	NA	3.134	[83]
Sigara	lateralis	insect	3	1	1	37.042729	-6.434447	t	46.6	-7.2	0.05	0.02	5.171	[84]
Nezara	viridula	insect	7	0.25	0.25	-29.692778	152.932222	t	46.4	0.2	0.05	0.16	3.944	[85]
Nezara	viridula	insect	7	0.25	0.25	-31.248333	150.467222	t	46.1	0.2	0.07	0.16	5.364	[85]
Linepithema	humile	insect	7	0.05	0.05	-33.916667	18.85	t	40	0	0.08	0.03	3.416	[86]
Hodotermes	mossambicus	insect	15	1	1	-28	25.5	t	48.5	5.2	0.16	0.14	5.349	[87]
Embryonopsis	halticella	insect	7	0.5	0.5	-46.9	37.75	t	42.8	-0.5	0.18	-0.02	1.376	[88]
Nuerocordulia	alabamensis	insect	2	NA	2	33.289983	-81.727939	fw	39	NA	0.11	NA	6.946	[89]
Epitheca	cynosura	insect	2	NA	2	33.289983	-81.727939	fw	41.4	NA	0.07	NA	6.946	[89]
Ladona	deplanata	insect	2	NA	2	33.289983	-81.727939	fw	41.8	NA	0.05	NA	6.946	[89]
Celithemis	spp	insect	2	NA	2	33.289983	-81.727939	fw	42.2	NA	0.15	NA	6.946	[89]
Libellula	auripennis	insect	2	NA	2	33.289983	-81.727939	fw	44	NA	0.12	NA	6.946	[89]
Libellula	auripennis	insect	2	NA	2	33.289983	-81.727939	fw	45.6	NA	0.23	NA	6.946	[89]
Pachydiplax	longipennis	insect	2	NA	2	33.289983	-81.727939	fw	43.5	NA	0.11	NA	6.946	[89]
Pachydiplax	longipennis	insect	2	NA	2	33.289983	-81.727939	fw	44.1	NA	0.15	NA	6.946	[89]
Macromia	illinoiensis	insect	2	NA	2	33.289983	-81.727939	fw	39.5	NA	0.06	NA	6.946	[89]
Hydropsyche	simulans	insect	3	NA	0.3	32.937622	-98.246992	fw	37.4	NA	0.22	NA	8.019	[90]

Chimarra	obscura	insect	3	NA	0.3	32.937622	-98.246992	fw	38.3	NA	0.49	NA	8.019	[90]
Blaptica	dubia	insect	7	NA	1	-14.33	NA	t	49.2	NA	0.06	NA	NA	[91]
Eublaberus	posticus	insect	7	NA	1	-12.035	NA	t	47.3	NA	0.02	NA	NA	[91]
Blaberus	discoidalis	insect	7	NA	1	18.1	NA	t	45.6	NA	-0.03	NA	NA	[91]
Merizodus	soledadinus	insect	7	0.5	0.5	-54.28	NA	t	38	-5.5	0.01	0.16	NA	[92]
Cyrtobagous	salvineae	insect	7	0.25	0.25	-26.4	NA	t	47.9	6.4	0.04	0.11	NA	[93]
Tenebrio	molitor	insect	7	0.25	0.25	53.73	NA	t	44.9	3	0.10	0.22	NA	[93]
Ceratitis	capitata	insect	10	0.25	0.25	34.55	NA	t	42	6.4	0.15	0.23	NA	[94]
Trichocorixa	verticalis	insect	3	1	1	36.84	NA	t	44.9	-6.4	0.22	0.03	NA	[84]
Nilaparvata	lugens	insect	18	0.5	0.5	25.415	NA	t	37.3	8.1	0.09	0.56	NA	[95]
Solenopsis	invicta	insect	7	1	0.43	-25.34	NA	t	41.8	1.1	0.10	0.15	NA	[96]
Cydia	pomonella	insect	6	0.25	0.25	52.62	NA	t	43.7	0	0.17	0.32	NA	[97]
Phrynocephalus	guinanensis	rept	21	0.175	0.175	35.57	101.08	t	46.6	1.9	0.08	0.17	8.064	[98]
Phrynocephalus	vlangalii	rept	21	0.175	0.175	36.57	101.82	t	46.5	1.4	0.12	0.23	8.449	[98]
Phrynocephalus	versicolor	rept	21	0.175	0.175	41.45	106.98	t	47.1	4.8	0.04	0.40	11.905	[98]
Anolis	distichus	rept	7	NA	NA	25.73079	-80.237708	t	40.6	NA	0.20	NA	3.071	[99]
Anolis	sagrei	rept	7	NA	NA	25.73079	-80.237708	t	41.9	NA	0.14	NA	3.071	[99]
Takydromus	septentrionalis	rept	21	0.25	0.25	29.93	121.85	t	44.4	4.9	0.15	0.22	7.915	[100]
Eremias	argus	rept	21	0.25	0.25	36.1	111.33	t	45	8	0.04	0.25	9.705	[101]
Eremias	brenchleyi	rept	21	0.25	0.25	33.63	116.98	t	44.5	5	0.20	0.42	9.542	[101]
Eremias	multiocellata	rept	21	0.25	0.25	41.45	106.98	t	43.5	9.2	0.24	0.28	11.905	[101]
Takydromus	hsuehshanensis	rept	14	0.75	0.75	23.84	120.99	t	44.1	2.1	0.05	0.13	3.11	[102]
Takydromus	stejnegeri	rept	14	0.75	0.75	25.09	121.56	t	43.7	5.2	0.05	0.05	4.713	[102]
Takydromus	formosanus	rept	14	0.75	0.75	25.09	121.56	t	43.3	4.5	0.03	0.12	4.713	[102]
Thamnophis	elegans	rept	13	NA	NA	40.802481	-105.591663	t	44.3	NA	0.03	NA	7.568	[103]
Uta	mearnsii	rept	8.5	NA	0.02	33.93	-116.64	t	44.8	NA	0.11	NA	6.47	[104]
Urosaurus	ornatus	rept	8	NA	0.02	32.271892	-110.843499	t	44.5	NA	0.13	NA	7.067	[105]
Shenomorphus	taiwanensis	rept	14	0.75	0.75	23.84	120.99	t	38.4	5.3	0.06	0.17	3.11	[106]

Shenomorphus	incognitus	rept	14	0.75	0.75	22.04	121.55	t	41.5	11.7	0.22	0.09	2.581	[106]
Trimeresurus	gracilis	rept	14	0.25	0.25	23.84	120.99	t	38.3	3.7	0.04	0.20	3.11	[107]
Trimeresurus	stejnegeri	rept	14	0.25	0.25	25.09	121.56	t	38.9	5.6	0.04	0.13	4.713	[107]
Trimeresurus	mucrosquamatus	rept	14	0.25	0.25	25.09	121.56	t	38.6	3.5	0.05	0.21	4.713	[107]
Chelydra	serpentina	rept	21	NA	1	42.964303	-78.950037	t	41.4	NA	0.18	NA	9.189	[108]
Chrysemys	picta	rept	14	NA	NA	41.480379	-71.52256	t	41	NA	0.07	NA	8.176	[109]
Anolis	carolinensis	rept	14	0.75	1	30.3	NA	t	45.1	11.1	0.16	0.27	NA	[110]
Nerodia	rhombifera	rept	14	NA	NA	33.74	NA	t	41	6	0.07	0.17	NA	[111]
Thamnophis	proximus	rept	14	NA	NA	33.74	NA	t	42	4.2	0.21	0.24	NA	[111]
Sceloporus	occidentalis	rept	14	0.75	1	35.9	NA	t	44.5	8.9	-0.01	0.30	NA	[110]
Phrynosoma	cornutum	rept	14	0.75	1	31.7	NA	t	48	6.1	0.06	0.25	NA	[110]
Xantusia	vigilis	rept	14	0.75	1	30.6	NA	t	44	4.2	0.20	0.20	NA	[110]
Pelodiscus	sinensis	rept	28	0.3	0.3	23.19	NA	t	41.8	2.6	0.14	0.12	NA	[112]

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