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## Appendix 1

### References for ecological and life-history traits of Noctuid moths

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## Appendix 2

Life-history traits, ecological predictors and measures of climatic responsiveness of noctuid moths. In the table we use the following abbreviations: FED=first emergence date; LED= last emergence date; MED=median emergence date.

Taxon	Subfamily	Hibernation stage	Migration strategy	Habitat affinity	Food specialization	Food type	FED slope (p-value)	LED slope (p-value)	MED slope (p-value)	Slope of activity length (p-value)
<i>Abrostola asclepiadis</i>	Plusiinae	larval	resident	stenoecious	specialist	herbaceous	-0.383 (-0.383)	1.415 (0.119)	-0.101 (0.949)	1.798 (0.013)
<i>Acontia trabealis</i>	Acontiinae	larval	resident	euryoecious	gene	herbaceous	-1.641 (-1.641)	1.418 (0.158)	1.152 (0.697)	3.058 (0.08)
<i>Acronicta rumicis</i>	Acronictinae	larval	resident	euryoecious	generalist	herbaceous	-0.743 (-0.743)	1.043 (0.26)	-1.155 (0.55)	1.786 (0.036)
<i>Actinotia polyodon</i>	Xyleninae	larval	resident	stenoecious	generalist	herbaceous	0.253 (0.253)	0.056 (0.951)	-0.759 (0.619)	-0.198 (0.824)
<i>Agrochola circellaris</i>	Xyleninae	egg	resident	stenoecious	generalist	woody	0.854 (0.854)	0.562 (0.334)	1.249 (0.141)	-0.292 (0.743)
<i>Agrochola humilis</i>	Xyleninae	egg	resident	stenoecious	generalist	woody	-0.218 (-0.218)	0.511 (0.053)	0.537 (0.376)	0.729 (0.157)
<i>Agrochola litura</i>	Xyleninae	egg	resident	stenoecious	generalist	woody	0.102 (0.102)	0.567 (0.006)	0.701 (0.169)	0.465 (0.277)
<i>Agrochola macilenta</i>	Xyleninae	egg	resident	stenoecious	specialist	woody	0.1 (0.1)	0.378 (0.444)	0.103 (0.859)	0.277 (0.699)
<i>Agrotis cinerea</i>	Noctuinae	larval	resident	stenoecious	generalist	herbaceous	-0.24 (-0.24)	-0.663 (0.003)	-0.554 (0.172)	-0.423 (0.131)
<i>Agrotis exclamationis</i>	Noctuinae	larval	resident	euryoecious	generalist	herbaceous	-0.774 (-0.774)	0.387 (0.576)	-0.868 (0.4)	1.161 (0.097)
<i>Allophyes oxyacanthae</i>	Psaphidinae	egg	resident	stenoecious	specialist	woody	-0.141 (-0.141)	0.804 (0.005)	0.951 (0.027)	0.944 (0.018)
<i>Ammoconia caecimacula</i>	Xyleninae	egg	resident	stenoecious	specialist	herbaceous	-0.192 (-0.192)	0.284 (0.336)	-0.801 (0.078)	0.476 (0.182)
<i>Anorthoa munda</i>	Hadeninae	pupal	resident	stenoecious	specialist	woody	0.494 (0.494)	0.065 (0.821)	0.684 (0.276)	-0.429 (0.326)
<i>Aporophyla lutulenta</i>	Xyleninae	larval	resident	euryoecious	generalist	herbaceous	0.074 (0.074)	1.512 (0.168)	1.012 (0.606)	1.438 (0.135)
<i>Asteroscopus sphinx</i>	Psaphidinae	egg	resident	stenoecious	specialist	woody	0.239 (0.239)	0.348 (0.408)	0.133 (0.777)	0.11 (0.764)
<i>Autographa</i>	Plusiinae	larval	migratory	euryoecious	generalist	herbaceous	0.403 (0.403)	-0.608 (0.403)	1.406 (0.501)	-1.012 (0.326)

<i>gamma</i>										
<i>Axylia putris</i>	Noctuinae	larval	migratory	euryoecious	generalist	herbaceous	-0.377 (-0.377)	-0.057 (0.939)	-0.239 (0.878)	0.321 (0.654)
<i>Catocala fulminea</i>	Catocalinae	larval	resident	stenoecious	specialist	woody	0.622 (0.622)	-0.812 (0.051)	-0.582 (0.408)	-1.434 (0.001)
<i>Cerastis rubricosa</i>	Catocalinae	pupal	resident	stenoecious	generalist	herbaceous	0.129 (0.129)	-0.107 (0.63)	-0.248 (0.662)	-0.236 (0.623)
<i>Charanyca trigrammica</i>	Xyleninae	larval	resident	stenoecious	generalist	herbaceous	-0.679 (-0.679)	-0.143 (0.741)	0.196 (0.706)	0.536 (0.319)
<i>Colocasia coryli</i>	Pantheinae	larval	resident	stenoecious	generalist	woody	0.582 (0.582)	0.15 (0.787)	-0.355 (0.846)	-0.432 (0.432)
<i>Conistra erythrocephala</i>	Xyleninae	adult	resident	stenoecious	generalist	woody	-0.163 (-0.163)	4.273 (0.09)	0.309 (0.94)	4.435 (0.092)
<i>Conistra ligula</i>	Xyleninae	adult	resident	stenoecious	generalist	woody	0.182 (0.182)	3.313 (0.305)	6.599 (0.094)	3.131 (0.351)
<i>Conistra vaccinii</i>	Xyleninae	adult	resident	stenoecious	generalist	woody	0.002 (0.002)	2.706 (0.336)	-0.937 (0.814)	2.704 (0.328)
<i>Cosmia pyralina</i>	Xyleninae	larval	resident	stenoecious	generalist	woody	-0.178 (-0.178)	1.985 (0.052)	-0.124 (0.877)	2.163 (0.042)
<i>Cosmia trapezina</i>	Xyleninae	larval	resident	euryoecious	generalist	woody	-0.399 (-0.399)	-0.121 (0.767)	-1.723 (0.121)	0.279 (0.696)
<i>Craniophora ligustri</i>	Acronictinae	larval	resident	stenoecious	specialist	woody	-0.735 (-0.735)	0.531 (0.422)	-0.346 (0.851)	1.267 (0.145)
<i>Diachrysia chrysitis</i>	Plusiinae	larval	resident	stenoecious	generalist	herbaceous	-0.948 (-0.948)	-0.118 (0.881)	-0.84 (0.58)	0.83 (0.286)
<i>Diloba caeruleocephala</i>	Dilobinae	egg	resident	euryoecious	generalist	woody	-0.313 (-0.313)	0.706 (0.025)	0.311 (0.523)	1.019 (0.011)
<i>Egira conspicillaris</i>	Hadeninae	pupa	resident	stenoecious	generalist	herbaceous	0.232 (0.232)	0.602 (0.167)	0.367 (0.562)	0.37 (0.408)
<i>Eriopygodes imbecilla</i>	Hadeninae	larval	resident	stenoecious	generalist	herbaceous	-0.424 (-0.424)	0.097 (0.82)	0.268 (0.553)	0.521 (0.24)
<i>Eupsilia transversa</i>	Xyleninae	adult	resident	euryoecious	generalist	woody	-0.267 (-0.267)	2.051 (0.45)	-2.568 (0.491)	2.318 (0.39)
<i>Herminia grisealis</i>	Herminiinae	larval	resident	euryoecious	generalist	herbaceous	-1.237 (-1.237)	-3.263 (0.012)	-2.453 (0.343)	-2.026 (0.224)
<i>Heliophobus reticulata</i>	Hadeninae	larval	resident	stenoecious	specialist	herbaceous	0.002 (0.002)	-0.383 (0.342)	-0.5 (0.213)	-0.385 (0.375)
<i>Hoplodrina respersa</i>	Xyleninae	larva	resident	stenoecious	generalist	herbaceous	-0.816 (-0.816)	-1.062 (0.042)	-2.162 (0.056)	-0.246 (0.756)
<i>Lacanobia aliena</i>	Hadeninae	larval	resident	stenoecious	specialist	herbaceous	-0.011 (-0.011)	0.146 (0.812)	0.404 (0.73)	0.157 (0.839)
<i>Lacanobia</i>	Hadeninae	larval	resident	stenoecious	generalist	herbaceous	-0.828 (-0.828)	1.281 (0.025)	3.708 (0.002)	2.109 (0.004)

<i>contigua</i>										
<i>Lacanobia thalassina</i>	Hadeninae	larval	resident	stenoecious	generalist	herbaceous	0.313 (0.313)	0.389 (0.61)	-0.29 (0.824)	0.076 (0.92)
<i>Laspeyria flexula</i>	Aventiinae	larval	resident	stenoecious	generalist	herbaceous	-1.402 (-1.402)	0.061 (0.898)	-3.215 (0.039)	1.462 (0.015)
<i>Lithophane ornitopus</i>	Xyleninae	adult	resident	stenoecious	generalist	woody	-0.428 (-0.428)	0.96 (0.181)	-2.277 (0.569)	1.388 (0.108)
<i>Melanchra persicariae</i>	Hadeninae	larval	resident	stenoecious	generalist	herbaceous	-0.025 (-0.025)	-0.223 (0.752)	0.838 (0.27)	-0.198 (0.785)
<i>Mythimna albipuncta</i>	Hadeninae	larval	migratory	euryoecious	generalist	herbaceous	-0.123 (-0.123)	1.879 (0.059)	0.207 (0.918)	2.002 (0.065)
<i>Mythimna conigera</i>	Hadeninae	larval	resident	stenoecious	generalist	herbaceous	0.412 (0.412)	-1.092 (0.005)	-1.489 (0.061)	-1.504 (0.01)
<i>Mythimna ferrago</i>	Hadeninae	larval	resident	euryoecious	generalist	herbaceous	-0.922 (-0.922)	0.064 (0.927)	-0.119 (0.888)	0.986 (0.213)
<i>Mythimna pallens</i>	Hadeninae	larval	migratory	euryoecious	generalist	herbaceous	-2.107 (-2.107)	-1.933 (0.228)	-1.611 (0.451)	0.175 (0.911)
<i>Mythimna pudorina</i>	Hadeninae	larval	resident	stenoecious	generalist	herbaceous	0.011 (0.011)	0.933 (0.161)	1.171 (0.191)	0.921 (0.186)
<i>Noctua fimbriata</i>	Noctuidae	larval	migratory	euryoecious	generalist	herbaceous	0.686 (0.686)	0.331 (0.567)	0.931 (0.498)	-0.355 (0.509)
<i>Noctua pronuba</i>	Noctuidae	larval	migratory	euryoecious	generalist	herbaceous	0.876 (0.876)	-0.33 (0.612)	-0.9 (0.649)	-1.205 (0.308)
<i>Ochropleura plecta</i>	Noctuidae	larval	migratory	euryoecious	generalist	herbaceous	-0.034 (-0.034)	-0.13 (0.889)	0.359 (0.799)	-0.096 (0.911)
<i>Oligia latruncula</i>	Xyleninae	larval	resident	stenoecious	specialist	herbaceous	-1.16 (-1.16)	-0.211 (0.669)	-1.55 (0.04)	0.949 (0.194)
<i>Orthosia cerasi</i>	Hadeninae	pupal	resident	euryoecious	generalist	woody	0.393 (0.393)	-0.174 (0.701)	0.78 (0.152)	-0.567 (0.198)
<i>Orthosia cruda</i>	Hadeninae	pupal	resident	euryoecious	generalist	woody	0.26 (0.26)	0.131 (0.749)	0.087 (0.88)	-0.129 (0.771)
<i>Orthosia gothica</i>	Hadeninae	pupal	resident	euryoecious	generalist	woody	0.208 (0.208)	-0.265 (0.598)	-0.69 (0.256)	-0.474 (0.326)
<i>Orthosia gracilis</i>	Hadeninae	pupal	resident	stenoecious	specialist	woody	0.261 (0.261)	-0.125 (0.735)	1.192 (0.042)	-0.386 (0.49)
<i>Orthosia incerta</i>	Hadeninae	pupal	resident	euryoecious	generalist	woody	-0.197 (-0.197)	-0.356 (0.394)	1.145 (0.072)	-0.159 (0.7)
<i>Orthosia miniosa</i>	Hadeninae	pupal	resident	stenoecious	specialist	woody	0.238 (0.238)	0.197 (0.59)	-0.424 (0.411)	-0.041 (0.905)
<i>Orthosia opima</i>	Hadeninae	pupal	resident	stenoecious	specialist	woody	0.023 (0.023)	-0.074 (0.921)	0.122 (0.893)	-0.097 (0.882)
<i>Pachetra sagittigera</i>	Hadeninae	larval	resident	stenoecious	generalist	herbaceous	0.062 (0.062)	-0.409 (0.585)	-1.058 (0.087)	-0.471 (0.528)

<i>Phytometra viridaria</i>	Phytometrinae	larval	resident	euryoecious	generalist	herbaceous	-0.767 (-0.767)	3.828 (0.504)	0.690 (0.893)	4.595 (0.554)
<i>Polia bombycina</i>	Hadeninae	larval	resident	stenoecious	generalist	herbaceous	0.127 (0.127)	-0.477 (0.496)	-0.313 (0.563)	-0.604 (0.45)
<i>Protodeltote pygarga</i>	Eustrotiinae	larval	resident	euryoecious	generalist	herbaceous	-0.094 (-0.094)	-0.746 (0.275)	0.068 (0.956)	-0.652 (0.332)
<i>Rivula sericealis</i>	Rivulinae	larval	resident	euryoecious	generalist	herbaceous	-0.841 (-0.841)	-0.306 (0.77)	-1.09 (0.442)	0.535 (0.623)
<i>Rusina ferruginea</i>	Xyleninae	larval	resident	stenoecious	generalist	herbaceous	-0.864 (-0.864)	0.422 (0.376)	0.152 (0.809)	1.286 (0.009)
<i>Thalpophila matura</i>	Xyleninae	larval	resident	stenoecious	generalist	herbaceous	0.221 (0.221)	-0.284 (0.437)	0.198 (0.689)	-0.505 (0.415)
<i>Tholera cespitis</i>	Hadeninae	egg	resident	euryoecious	generalist	herbaceous	0.102 (0.102)	0.538 (0.213)	0.533 (0.1)	0.436 (0.467)
<i>Tholera decimalis</i>	Hadeninae	egg	resident	euryoecious	specialist	herbaceous	-0.025 (-0.025)	0.114 (0.663)	0.1 (0.747)	0.139 (0.654)
<i>Tiliacea aurago</i>	Xyleninae	egg	resident	euryoecious	specialist	woody	0.335 (0.335)	1.096 (0.004)	0.599 (0.476)	0.761 (0.145)
<i>Xestia baja</i>	Noctuinae	larval	resident	stenoecious	generalist	herbaceous	-0.702 (-0.702)	0.101 (0.621)	-0.297 (0.704)	0.803 (0.11)
<i>Xestia c-nigrum</i>	Noctuinae	larval	migratory	euryoecious	generalist	herbaceous	-0.548 (-0.548)	1.789 (0.079)	0.212 (0.901)	2.338 (0.028)
<i>Xestia xanthographa</i>	Noctuinae	larval	resident	euryoecious	generalist	herbaceous	0.59 (0.59)	-0.375 (0.093)	-0.004 (0.995)	-0.965 (0.042)

## Appendix 3

Phylogenetic tree of noctuid taxa used in PGLS models.



## Appendix 4

### References for creating the phylogenetic tree of noctuid taxa

- Mitchell, A. et al. 2006. Systematics and evolution of the cutworm moths (Lepidoptera : Noctuidae): evidence from two protein-coding nuclear genes. – Syst. Entomol. 31: 21-46.
- Speidel, W. et al. 1996. The phylogeny of the Noctuidae (Lepidoptera). – Syst. Entomol. 21: 219-251.
- Zahiri, R. et al. 2011. A new molecular phylogeny offers hope for a stable family level classification of the Noctuoidea (Lepidoptera). – Zool. Scr. 40: 158-173.

## Appendix 5

Models of weak statistical support ( $2.0 < \Delta_i < 7.0$ ) fitted on all types of response variables.

Response	Model formula	DF	AICc	$\Delta_i$	w
Slope of first emergence date	foodspec + foodtype + migratory	5	125.964	2.152	0.095
	foodtype + hiber3 + migratory	6	127.997	4.186	0.034
	foodspec + foodtype + habpr2 + migratory	6	128.104	4.293	0.033
	foodspec + foodtype	4	128.213	4.402	0.031
	foodtype + habpr2 + hiber3 + migratory	7	128.514	4.702	0.027
	migratory	3	128.692	4.881	0.024
	habpr2 + hiber3 + migratory	6	128.772	4.961	0.023
	foodspec	3	128.832	5.021	0.023
	habpr2 + migratory	4	128.974	5.162	0.021
	hiber3	4	128.999	5.187	0.021
	foodspec + migratory	4	129.064	5.253	0.02
	hiber3 + migratory	5	129.069	5.258	0.02
	foodtype + habpr2	4	129.11	5.299	0.02
	foodtype + hiber3	5	129.653	5.842	0.015
	habpr2	3	130.275	6.463	0.011
	foodspec + hiber3 + migratory	6	130.285	6.473	0.011
Slope of median	hiber3 + migratory	5	248.847	2.032	0.044

emergence date					
	foodspec + migratory	4	249	2.185	0.041
	foodspec + foodtype	4	249.3	2.485	0.035
	foodtype + habpr2	4	249.545	2.731	0.031
	foodtype + habpr2 + migratory	5	249.724	2.91	0.029
	foodtype + hiber3	5	249.754	2.939	0.028
	foodspec + foodtype + migratory	5	250.039	3.224	0.024
	foodspec + hiber3	5	250.2	3.385	0.023
	foodspec + habpr2	4	250.22	3.406	0.022
	habpr2 + hiber3	5	250.382	3.568	0.021
	foodtype + hiber3 + migratory	6	250.552	3.738	0.019
	habpr2 + hiber3 + migratory	6	250.76	3.946	0.017
	foodspec + habpr2 + migratory	5	250.878	4.063	0.016
	foodspec + hiber3 + migratory	6	251.176	4.361	0.014
	foodspec + foodtype + habpr2	5	251.805	4.99	0.01
	foodspec + foodtype + habpr2 + migratory	6	252.089	5.275	0.009
	foodspec + foodtype + hiber3	6	252.117	5.303	0.009
	foodtype + habpr2 + hiber3	6	252.41	5.595	0.007
	foodtype + habpr2 + hiber3 + migratory	7	252.678	5.864	0.007
	foodspec + habpr2 + hiber3	6	252.709	5.895	0.006
	foodspec + foodtype + hiber3 + migratory	7	252.992	6.177	0.006
	foodspec + habpr2 + hiber3 + migratory	7	253.188	6.373	0.005

Slope of last emergence date	hiber3 + migratory	5	205.899	2.095	0.139
	foodtype + hiber3	5	206.245	2.44	0.117
	foodspec + hiber3	5	206.554	2.75	0.1
	habpr2 + hiber3	5	207.16	3.355	0.074
	foodtype + hiber3 + migratory	6	208.222	4.418	0.043
	foodspec + hiber3 + migratory	6	208.585	4.781	0.036
	habpr2 + hiber3 + migratory	6	209.142	5.338	0.027
	foodspec + foodtype + hiber3	6	209.159	5.354	0.027
	foodtype + habpr2 + hiber3	6	209.627	5.823	0.022
	foodspec + habpr2 + hiber3	6	209.815	6.011	0.02
Slope of activity length	foodtype + hiber3	5	221.667	2.634	0.097
	habpr2 + hiber3	5	221.717	2.684	0.095
	foodspec + hiber3	5	221.778	2.745	0.092
	habpr2 + hiber3 + migratory	6	223.106	4.073	0.047
	foodtype + hiber3 + migratory	6	223.564	4.531	0.038
	foodspec + hiber3 + migratory	6	223.695	4.662	0.035
	foodspec + foodtype + hiber3	6	224.438	5.405	0.024
	foodtype + habpr2 + hiber3	6	224.462	5.428	0.024
	foodspec + habpr2 + hiber3	6	224.479	5.446	0.024
	foodtype + habpr2 + hiber3 + migratory	7	225.877	6.844	0.012

	foodspec + habpr2 + hiber3 + migratory	7	225.961	6.928	0.011
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Predictors are abbreviated as:

hiber3: hibernation stage

migratory: migration strategy

habpr2: habitat affinity

foodtype: food type

foodspec: food specialisation

## Appendix 6

Akaike sums, model-averaged parameter estimates ( $\beta$ ), standard errors (SEu) and 95% confidence intervals for predictors across best supported models ( $\Delta_i < 2.0$ ), using a dataset including species with more than ten capture dates per year.

Slope of first emergence date	Slope of median emergence date	Slope of last emergence date	Slope of activity length
Food type ( $\Sigma = 0.661$ )	Migration strategy ( $\Sigma = 1$ )	Hibernation stage ( $\Sigma = 0.563$ )	Hibernation stage ( $\Sigma = 1$ )
Migration strategy ( $\Sigma = 0.455$ )	Food type ( $\Sigma = 0.263$ )	Migration strategy ( $\Sigma = 0.307$ )	Migration strategy ( $\Sigma = 0.281$ )
Habitat affinity ( $\Sigma = 0.38$ )	Habitat affinity ( $\Sigma = 0.185$ )	Food type ( $\Sigma = 0.299$ )	Habitat affinity ( $\Sigma = 0.217$ )
Food specialisation ( $\Sigma = 0.378$ )	Food specialisation ( $\Sigma = 0.144$ )	Food specialisation ( $\Sigma = 0.298$ )	Food type ( $\Sigma = 0.194$ )
Hibernation stage ( $\Sigma = 0.013$ )	Hibernation stage ( $\Sigma = 0.06$ )	Habitat affinity ( $\Sigma = 0.296$ )	Food specialisation ( $\Sigma = 0.098$ )

## Appendix 7

Parameter estimates of life-history and ecological predictors in PGLS-models. In the table we use the following abbreviations: FED = first emergence date; LED = last emergence date; MED = median emergence date.

Response	Model ID	Intercept	Migration strategy	Habitat affinity	Food specialisation	Food type	Hibernation stage
FED slope	0	0.557 (0.245)	-0.496 (0.22)			-0.431 (0.138)	
	1	0.534 (0.241)	-0.66 (0.234)	0.26 (0.141)		-0.409 (0.136)	
	2	0.061 (0.11)				-0.354 (0.137)	
	3	0.518 (0.244)	-0.538 (0.22)		0.226 (0.157)	-0.392 (0.139)	
	4	0.377 (0.324)	-0.511 (0.219)			-0.382 (0.163)	0.415 (0.293)
	5	0.509 (0.242)	-0.668 (0.234)	0.223 (0.146)	0.166 (0.16)	-0.383 (0.138)	
	6	-0.002 (0.124)			0.176 (0.161)	-0.318 (0.141)	
	7	0.33 (0.317)	-0.695 (0.232)	0.287 (0.14)		-0.349 (0.16)	0.466 (0.287)
	8	0.126 (0.215)	-0.325 (0.227)				
	9	0.239 (0.323)	-0.628 (0.236)	0.318 (0.143)			0.402 (0.294)
	10	-0.226 (0.077)			0.261 (0.161)		
	11	0.126 (0.21)	-0.524 (0.243)	0.298 (0.149)			
	12	-0.135 (0.25)					0.339 (0.307)
	13	0.126 (0.211)	-0.405 (0.226)		0.313 (0.161)		
	14	0.281 (0.332)	-0.416 (0.222)				0.339 (0.301)
	15	-0.017 (0.148)		0.108 (0.137)		-0.334 (0.14)	
	16	-0.135 (0.246)				-0.31 (0.166)	0.401 (0.303)
	17	-0.267 (0.108)		0.167 (0.139)			
	18	0.352 (0.329)	-0.486 (0.223)		0.282 (0.16)		0.226 (0.303)
	$\beta(SE_u)$	0.347 (0.34)	-0.547 (0.243)	0.252 (0.15)	0.224 (0.165)	-0.395 (0.145)	0.386 (0.303)

	95% CI	(-0.32; 1.015)	(-1.023; -0.07)	(-0.042; 0.546)	(-0.099; 0.548)	(-0.678; -0.111)	(-0.208; 0.981)
LED slope	0	2.66 (0.438)					-2.671 (0.536)
	1	2.867 (0.593)	-0.206 (0.398)				-2.671 (0.539)
	2	2.66 (0.439)				-0.212 (0.296)	-2.629 (0.541)
	3	2.66 (0.44)			0.149 (0.287)		-2.731 (0.551)
	4	2.675 (0.482)		-0.018 (0.242)			-2.675 (0.542)
	5	2.929 (0.6)	-0.268 (0.406)			-0.249 (0.303)	-2.621 (0.544)
	6	2.912 (0.601)	-0.252 (0.407)		0.181 (0.293)		-2.744 (0.554)
	7	2.861 (0.599)	-0.232 (0.439)	0.039 (0.266)			-2.663 (0.546)
	8	2.66 (0.442)			0.099 (0.3)	-0.183 (0.311)	-2.674 (0.562)
	9	2.699 (0.484)		-0.048 (0.246)		-0.221 (0.303)	-2.636 (0.547)
	10	2.714 (0.489)		-0.067 (0.258)	0.175 (0.306)		-2.755 (0.563)
	$\beta(SE_u)$	2.718 (0.496)	-0.227 (0.406)	-0.018 (0.252)	0.151 (0.293)	-0.217 (0.301)	-2.674 (0.543)
	95% CI	(1.746; 3.691)	(-1.023; 0.57)	(-0.512; 0.475)	(-0.424; 0.725)	(-0.807; 0.373)	(-3.737; -1.61)
MED slope	0	0.282 (0.512)	-0.358 (0.54)				
	1	0.195 (0.27)				-0.366 (0.336)	
	2	0.731 (0.617)	-0.536 (0.555)			-0.449 (0.347)	
	3	0.225 (0.608)					0.076 (0.745)
	4	-0.058 (0.185)			0.081 (0.387)		
	5	-0.137 (0.257)		0.161 (0.331)			
	6	0.282 (0.514)	-0.559 (0.593)	0.301 (0.363)			
	7	0.693 (0.822)	-0.468 (0.551)				0.076 (0.746)
	8	0.282 (0.516)	-0.391 (0.553)		0.131 (0.395)		

	9	0.201 (0.307)			-0.018 (0.398)	-0.369 (0.348)	
	10	0.123 (0.364)		0.1 (0.337)		-0.347 (0.344)	
	11	0.708 (0.62)	-0.701 (0.602)	0.261 (0.363)		-0.426 (0.35)	
	12	0.225 (0.611)				-0.26 (0.412)	0.128 (0.753)
	13	0.725 (0.626)	-0.542 (0.564)		0.033 (0.401)	-0.443 (0.357)	
	14	0.225 (0.612)			0.056 (0.399)		0.054 (0.767)
	15	-0.139 (0.26)		0.155 (0.35)	0.026 (0.409)		
	16	0.111 (0.668)		0.142 (0.336)			0.105 (0.752)
	17	0.777 (0.83)	-0.552 (0.563)			-0.336 (0.42)	0.143 (0.753)
	18	0.652 (0.825)	-0.673 (0.604)	0.308 (0.367)			0.138 (0.751)
	19	0.282 (0.517)	-0.563 (0.599)	0.289 (0.379)	0.051 (0.41)		
	20	0.723 (0.834)	-0.498 (0.564)		0.121 (0.406)		0.028 (0.769)
	21	0.134 (0.375)		0.112 (0.353)	-0.054 (0.416)	-0.356 (0.353)	
	22	0.714 (0.628)	-0.699 (0.607)	0.269 (0.378)	-0.04 (0.416)	-0.432 (0.359)	
	23	0.225 (0.615)			-0.015 (0.418)	-0.264 (0.433)	0.135 (0.782)
	24	0.137 (0.673)		0.111 (0.342)		-0.237 (0.421)	0.146 (0.76)
	25	0.732 (0.835)	-0.731 (0.612)	0.281 (0.37)		-0.304 (0.423)	0.193 (0.758)
	26	0.112 (0.68)		0.142 (0.359)	0.001 (0.425)		0.104 (0.782)
	27	0.785 (0.84)	-0.559 (0.572)		0.041 (0.422)	-0.325 (0.437)	0.125 (0.782)
	28	0.66 (0.84)	-0.675 (0.61)	0.301 (0.386)	0.026 (0.425)		0.126 (0.781)
	$\beta(SE_u)$	0.298 (0.598)	-0.497 (0.575)	0.206 (0.36)	0.052 (0.404)	-0.376 (0.365)	0.097 (0.755)
	95% CI	(-0.874; 1.469)	(-1.625; 0.631)	(-0.499; 0.912)	(-0.74; 0.843)	(-1.091; 0.339)	(-1.384; 1.577)
Slope of activity length	0	2.795 (0.49)					-3.01 (0.601)

	1	2.585 (0.665)	0.21 (0.446)				-3.01 (0.604)
	2	2.795 (0.494)				0.099 (0.333)	-3.03 (0.608)
	3	2.94 (0.538)		-0.182 (0.27)			-3.046 (0.605)
	4	2.795 (0.494)			-0.07 (0.322)		-2.982 (0.618)
	5	2.622 (0.667)	0.396 (0.488)	-0.279 (0.296)			-3.066 (0.607)
	6	2.552 (0.675)	0.243 (0.457)			0.132 (0.341)	-3.036 (0.612)
	7	2.56 (0.675)	0.235 (0.457)		-0.1 (0.329)		-2.97 (0.622)
	8	2.795 (0.497)			-0.047 (0.338)	0.085 (0.35)	-3.008 (0.632)
	9	2.934 (0.543)		-0.173 (0.276)		0.064 (0.339)	-3.057 (0.613)
	10	2.941 (0.547)		-0.182 (0.289)	0.001 (0.342)		-3.047 (0.63)
	11	2.596 (0.678)	0.415 (0.496)	-0.27 (0.3)		0.102 (0.343)	-3.084 (0.615)
	12	2.619 (0.679)	0.397 (0.493)	-0.275 (0.312)	-0.013 (0.344)		-3.06 (0.632)
	$\beta(SE_u)$	2.757 (0.567)	0.265 (0.467)	-0.212 (0.287)	-0.06 (0.331)	0.099 (0.339)	-3.018 (0.608)
	95% CI	(1.646; 3.867)	(-0.651; 1.18)	(-0.774; 0.35)	(-0.708; 0.588)	(-0.564; 0.763)	(-4.21; -1.826)