

Jeschke and Kokko

**Supplement to Jeschke and Kokko, “The roles of body size and phylogeny in fast and slow life histories”: Complete results of principal components analyses****Table S1** Principal components analysis of fish raw data ( $N = 46$ ).

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First axis

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Variance explained	
AFR	0.90
Interbirth interval	0.67
Lifespan	0.94
Body mass	0.93
Offspring mass	0.49
Fecundity	0.85

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Shown are correlation coefficients between each trait and axis. The strongest correlation for each trait is highlighted by a grey background (this is more informative where more than one axis was extracted, see below).

**Table S2** Principal components analysis of fish data, body mass factored out ( $N = 46$ ).

		First axis	Second axis
			
Variance explained		43%	28%
AFR	0.75	0.29	
Interbirth interval	0.56	0.59	
Lifespan	0.71	0.28	
Offspring mass	-0.49	0.79	
Fecundity	0.73	-0.50	

**Table S3** Principal components analysis of fish data, phylogeny factored out ( $N = 45$ ).

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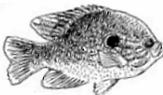


	First axis	Second axis
Variance explained	51%	21%
AFR	0.89	0.01
Interbirth interval	-0.03	0.88
Lifespan	0.88	0.11
Body mass	0.90	0.03
Offspring mass	0.63	0.36
Fecundity	-0.54	0.62

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**Table S4** Principal components analysis of fish data, phylogeny and body mass factored out ( $N = 45$ ).

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	First axis	Second axis
Variance explained	32%	29%
AFR	0.89	-0.20
Interbirth interval	0.15	0.78
Lifespan	0.86	-0.02
Offspring mass	0.23	0.45
Fecundity	-0.04	-0.78

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**Table S5** Principal components analysis of mammal raw data ( $N = 100$ ).

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First axis	
	
Variance explained	78%
AFR	0.90
Interbirth interval	0.73
Lifespan	0.87
Body mass	0.96
Offspring mass	0.95
Fecundity	-0.86

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**Table S6** Principal components analysis of mammal data, body mass factored out ( $N = 100$ ).

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	First axis	Second axis
Variance explained	37%	29%
AFR	-0.35	0.77
Interbirth interval	-0.40	0.73
Lifespan	-0.44	0.10
Offspring mass	0.88	0.24
Fecundity	-0.78	-0.50

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**Table S7** Principal components analysis of mammal data, phylogeny factored out ( $N = 99$ ).

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	First axis	Second axis	Third axis
Variance explained	37%	18%	17%
AFR	0.82	-0.12	0.24
Interbirth interval	0.61	-0.41	0.38
Lifespan	0.65	0.26	0.08
Body mass	0.78	-0.06	-0.34
Offspring mass	0.15	0.87	0.37
Fecundity	-0.37	-0.24	0.75

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**Table S8** Principal components analysis of mammal data, phylogeny and body mass factored out ( $N = 99$ ).

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	First axis	Second axis	Third axis
Variance explained	32%	22%	21%
AFR	0.83	-0.19	-0.10
Interbirth interval	0.73	-0.46	-0.19
Lifespan	0.468	0.472	0.44
Offspring mass	0.39	0.74	-0.06
Fecundity	0.05	-0.30	0.89

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**Table S9** Principal components analysis of bird raw data ( $N = 302$ ).

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	First axis	Second axis
Variance explained	60%	20%
AFR	0.90	-0.20
Interbirth interval	0.52	0.59
Lifespan	0.81	-0.23
Body mass	0.92	0.22
Offspring mass	0.93	0.20
Fecundity	-0.40	0.82

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**Table S10** Principal components analysis of bird data, body mass factored out ( $N = 302$ ).

	First axis	Second axis
		
Variance explained	41%	24%
AFR	0.84	-0.18
Interbirth interval	-0.09	-0.85
Lifespan	0.66	0.32
Offspring mass	0.42	-0.56
Fecundity	-0.85	-0.12

**Table S11** Principal components analysis of bird data, phylogeny factored out ( $N = 301$ ).

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	First axis	Second axis
Variance explained	44%	20%
AFR	0.72	0.01
Interbirth interval	0.08	-0.88
Lifespan	0.45	0.47
Body mass	0.91	-0.18
Offspring mass	0.93	-0.15
Fecundity	-0.44	-0.36

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**Table S12** Principal components analysis of bird data, phylogeny and body mass factored out ( $N = 301$ ).

	First axis	Second axis
		
Variance explained	30%	23%
AFR	0.62	-0.36
Interbirth interval	-0.42	-0.68
Lifespan	0.39	0.65
Offspring mass	0.60	-0.33
Fecundity	-0.66	0.18