


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 ($N = 46$).

		First axis
Variance explained		66%
AFR		0.90
Interbirth interval		0.67
Lifespan		0.94
Body mass		0.93
Offspring mass		0.49
Fecundity		0.85

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 ($N = 45$).


	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

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


	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

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


	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

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


	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

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


	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

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


	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

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


	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

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 ($N = 301$).



	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

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