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Appendix 1. Estimates of genetic (r_g), phenotypic (r_p) and environmental (r_e) correlations among body weights and daily gains (DG) at different age intervals.

age intervals.

Traits	r _g						r _p
	PHS		MHS		FS		
	rs+SE	re	rd+SE	re	rs+d+SE	re	
correlated							
BW0 and DGO-4	0.44+0.20	0.08	0.45+0.07	1.12	0.43+0.06	-0.14	0.12
DG4-8	-0.43+0.23	0.09	0.06+0.07	0.04	0.02+0.07	0.07	0.05
DG8-12	0.62+0.20	0.06	0.30+0.08	0.73	0.32+0.07	-0.07	0.10
DGO-12	0.43+0.24	0.10	0.33+0.07	1.19	0.33+0.07	-0.07	0.12
BW2 and DGO-4	0.85+0.08	0.49	0.58+0.05	-0.41	0.61+0.05	0.53	0.54
DG4-8	0.15+0.24	0.14	0.10+0.07	-0.27	0.11+0.07	0.19	0.15
DG8-12	0.28+0.23	0.17	0.37+0.07	0.43	0.36+0.07	0.03	0.18
DGO-12	0.52+0.19	0.31	0.42+0.06	0.27	0.43+0.06	0.23	0.33
BW4 and DGO-4	0.99+0.00	0.99	0.99+0.00	1.00	0.99+0.00	1.00	0.99
DG4-8	0.20+0.23	0.17	0.17+0.09	0.18	0.17+0.08	0.17	0.17
DG8-12	0.63+0.17	0.15	0.42+0.09	-0.11	0.46+0.07	0.07	0.20
DGO-12	0.86+0.10	0.42	0.57+0.06	0.24	0.61+0.05	0.37	0.46
BW6 and DGO-4	0.83+0.08	0.70	0.63+0.06	0.80	0.65+0.05	0.73	0.71
DG4-8	0.80+0.11	0.51	0.64+0.06	0.35	0.66+0.05	0.47	0.53
DG8-12	-0.07+0.27	0.23	0.42+0.09	-0.11	0.36+0.07	0.12	0.20
DGO-12	0.54+0.20	0.57	0.70+0.05	0.27	0.69+0.05	0.49	0.56
BW8 and DGO-4	0.69+0.13	0.55	0.54+0.07	0.63	0.56+0.06	0.57	0.57
DG4-8	0.87+0.06	0.91	0.92+0.01	0.88	0.92+0.01	0.90	0.91
DG8-12	-0.03+0.25	0.16	0.40+0.09	-0.26	0.35+0.07	0.04	0.15
DGO-12	0.56+0.18	0.67	0.80+0.04	0.34	0.78+0.03	0.59	0.66
BW10 and DGO-4	0.78+0.12	0.48	0.56+0.06	0.43	0.58+0.05	0.46	0.50
DG4-8	0.68+0.14	0.70	0.77+0.04	0.53	0.76+0.03	0.66	0.70
DG8-12	0.35+0.23	0.49	0.63+0.06	0.23	0.60+0.06	0.41	0.48
DGO-12	0.83+0.09	0.80	0.88+0.02	0.60	0.88+0.02	0.76	0.80
BW12 and DGO-4	0.86+0.10	0.42	0.57+0.06	0.27	0.61+0.05	0.37	0.46
DG4-8	0.11+0.26	0.59	0.67+0.05	0.28	0.62+0.05	0.52	0.56
DG8-12	0.81+0.09	0.84	0.87+0.02	0.82	0.86+0.02	0.83	0.84
DGO-12	1.00+0.00	1.00	1.00+0.00	1.00	1.00+0.00	1.00	1.00

* r_s = correlations from paternal half-sibs; r_D = correlations from maternal half-sibs; r_{s+D} = correlations from full-sibs.

Appendix 2. Estimates of genetic (r_g), phenotypic (r_p) and environmental (r_e) correlations among daily gains (DG) and with other growth traits at different age intervals.

Traits correlated		r _G						r _P
		PHS		MHS		FS		
		r _s +SE	r _E	r _D +SE	r _E	r _{s+D} +SE	r _E	
DGO-4 and	DG4-8	0.24+0.22	0.16	0.18+0.09	0.17	0.18+0.08	0.17	0.17
	DG8-12	0.60+0.17	0.15	0.41+0.09	-0.07	0.44+0.07	0.08	0.20
	DGO-12	0.86+0.10	0.42	0.56+0.07	0.28	0.60+0.05	0.38	0.46
DG4-8 and	DG8-12	-0.46+0.22	0.12	0.27+0.09	-0.25	0.18+0.08	0.01	0.07
	DGO-12	0.12+0.26	0.59	0.68+0.05	0.28	0.62+0.05	0.52	0.56
DG8-12 and	DGO-12	0.81+0.09	0.84	0.87+0.02	0.82	0.86+0.02	0.83	0.84
DGO-4 and	AGO-4	1.00+0.00	1.00	1.00+0.00	1.00	1.00+0.00	1.00	1.00
	AG4-8	0.24+0.22	0.16	0.17+0.09	0.18	0.18+0.08	0.17	0.17
	AG8-12	0.60+0.17	0.15	0.41+0.09	-0.07	0.44+0.07	0.08	0.20
	AGO-12	0.86+0.10	0.42	0.56+0.07	0.28	0.60+0.05	0.38	0.46
DG4-8 and	AGO-4	0.24+0.22	0.16	0.18+0.09	0.17	0.18+0.08	0.16	0.17
	AG4-8	1.00+0.00	1.00	1.00+0.00	1.00	1.00+0.00	1.00	1.00
	AG8-12	-0.46+0.22	0.12	0.27+0.09	-0.25	0.18+0.08	0.01	0.07
	AGO-12	0.12+0.26	0.59	0.68+0.05	0.28	0.62+0.05	0.52	0.56
DG8-12 and	AGO-4	0.60+0.17	0.15	0.41+0.09	-0.07	0.44+0.07	0.07	0.20
	DG4-8	-0.46+0.22	0.12	0.27+0.09	-0.25	0.18+0.08	0.01	0.07
	DG8-12	1.00+0.00	1.00	1.00+0.00	1.00	1.00+0.00	1.00	1.00
	DGO-12	0.81+0.09	0.84	0.87+0.02	0.82	0.86+0.02	0.83	0.84
DGO-12 and	AGO-4	0.87+0.10	0.42	0.57+0.06	0.28	0.60+0.05	0.38	0.46
	AG4-8	0.12+0.26	0.59	0.67+0.05	0.28	0.62+0.05	0.52	0.56
	AG8-12	0.81+0.09	0.84	0.87+0.02	0.82	0.86+0.02	0.83	0.84
	AGO-12	1.00+0.00	1.00	1.00+0.00	1.00	1.00+0.00	1.00	1.00
DGO-4 and	RGO-4	0.96+0.02	0.87	0.75+0.04	1.00	0.80+0.03	0.92	0.88
	RG4-8	-0.59+0.19	-0.50	-0.46+0.13	-0.59	-0.48+0.09	-0.53	-0.52
	RG8-12	0.23+0.23	-0.15	0.06+0.11	-0.28	0.09+0.09	-0.19	-0.11
	RGO-12	0.65+0.19	0.33	0.20+0.09	0.54	0.25+0.08	0.40	0.35
DG4-8 and	RGO-4	0.32+0.23	0.09	0.12+0.11	0.11	0.15+0.09	0.09	0.11
	RG4-8	0.64+0.14	0.75	0.79+0.04	0.66	0.76+0.03	0.72	0.74
	RG8-12	-0.78+0.21	-0.35	-0.30+0.12	-0.54	-0.36+0.09	-0.41	-0.39
	RGO-12	0.46+0.24	0.45	0.60+0.07	0.21	0.59+0.06	0.38	0.45
DG8-12 and	RGO-4	0.58+0.19	0.09	0.23+0.11	0.07	0.29+0.09	0.09	0.14
	RG4-8	-0.82+0.15	0.01	-0.06+0.10	-0.12	-0.18+0.08	-0.03	-0.08
	RG8-12	0.89+0.08	0.85	0.80+0.04	0.91	0.82+0.03	0.87	0.85
	RGO-12	0.48+0.22	0.69	0.62+0.06	0.73	0.60+0.05	0.70	0.67
DGO-12 and	RGO-4	0.88+0.11	0.31	0.37+0.09	0.39	0.44+0.07	0.33	0.36
	RG4-8	-0.57+0.19	0.24	0.21+0.08	0.07	0.11+0.08	0.19	0.16
	RG8-12	0.45+0.21	0.44	0.41+0.08	0.53	0.41+0.07	0.46	0.44
	RGO-12	0.82+0.11	0.80	0.73+0.04	0.96	0.74+0.04	0.84	0.80

* r_s = correlations from paternal half-sibs; r_d = correlations from maternal half-sibs; r_{s+d} = correlations from full-sibs.