

NAV subindices for beef: Correlations

Table 1. Correlation between growth index and underlying traits by breed.

	Growth index					
	Angus	Charolais	Hereford	Limousin	Simmental	
Yearling weight, direct	0.87	0.88	0.95	0.90	0.95	DNK
Daily carcass gain	0.99	0.99	0.93	0.99	0.95	
Yearling weight, direct	0.92	0.91	0.95	0.91	0.96	FIN
Daily carcass gain	0.99	0.99	0.96	0.99	0.96	
Yearling weight, direct	0.89	0.87	0.95	0.90	0.96	SWE
Daily carcass gain	0.98	0.98	0.92	0.99	0.94	

Table 2. Correlation between slaughter quality index and underlying traits by breed.

	Slaughter quality index					
	Angus	Charolais	Hereford	Limousin	Simmental	
Carcass fat score	0.08	-0.05	0.18	0.16	0.08	DNK
Carcass conformation score	1.00	0.95	0.99	0.93	0.95	
Carcass fat score	0.06	-0.16	0.11	-0.28	0.04	FIN
Carcass conformation score	1.00	0.95	0.99	0.95	0.93	
Carcass fat score	0.03	0.10	0.14	-0.20	0.31	SWE
Carcass conformation score	1.00	0.94	0.99	0.95	0.92	

Table 3. Correlation between production index and underlying subindices and traits by breed.

	Production index					
	Angus	Charolais	Hereford	Limousin	Simmental	
Growth index	0.94	0.90	0.78	0.82	0.74	DNK
Yearling weight, direct	0.95	0.94	0.83	0.84	0.93	
Daily carcass gain	0.75	0.76	0.65	0.65	0.85	
Slaughter quality index	0.94	0.93	0.74	0.80	0.74	
Carcass fat score	0.03	-0.04	0.05	0.06	-0.07	
Carcass conformation score	0.67	0.59	0.74	0.79	0.74	
Growth index	0.95	0.93	0.81	0.86	0.69	FIN
Yearling weight, direct	0.95	0.96	0.84	0.87	0.94	
Daily carcass gain	0.84	0.82	0.71	0.70	0.89	
Slaughter quality index	0.95	0.95	0.83	0.84	0.69	
Carcass fat score	0.13	-0.12	0.07	-0.22	-0.08	
Carcass conformation score	0.69	0.66	0.83	0.82	0.68	
Growth index	0.97	0.89	0.84	0.80	0.49	SWE
Yearling weight, direct	0.97	0.94	0.86	0.86	0.93	
Daily carcass gain	0.84	0.73	0.72	0.69	0.86	
Slaughter quality index	0.97	0.93	0.77	0.78	0.49	
Carcass fat score	-0.05	-0.04	-0.11	-0.14	0.03	
Carcass conformation score	0.50	0.63	0.77	0.76	0.50	

Table 4. Correlation between calving index and underlying traits by breed.

	Calving index					
	Angus	Charolais	Hereford	Limousin	Simmental	
Calving ease, maternal, 1st calv.	0.93	0.95	0.92	0.88	0.88	DNK
Calf survival, maternal, 1st calv.	0.89	0.94	0.85	0.90	0.88	
Calving ease, maternal, 2+ calv.	0.78	0.95	0.87	0.88	0.91	
Calf survival, maternal, 2+ calv.	0.90	0.91	0.89	0.85	0.80	
Calving ease, maternal, 1st calv.	0.90	0.93	0.91	0.94	0.93	FIN
Calf survival, maternal, 1st calv.	0.88	0.88	0.85	0.85	0.89	
Calving ease, maternal, 2+ calv.	0.81	0.92	0.88	0.92	0.95	
Calf survival, maternal, 2+ calv.	0.86	0.85	0.84	0.85	0.80	
Calving ease, maternal, 1st calv.	0.89	0.97	0.94	0.93	0.94	SWE
Calf survival, maternal, 1st calv.	0.83	0.92	0.85	0.89	0.92	
Calving ease, maternal, 2+ calv.	0.73	0.89	0.87	0.90	0.93	
Calf survival, maternal, 2+ calv.	0.87	0.87	0.91	0.89	0.86	

Table 5. Correlation between dam index and underlying subindices and traits by breed.

	Dam index					
	Angus	Charolais	Hereford	Limousin	Simmental	
Milk	0.49	0.54	0.85	0.63	0.69	DNK
Calving index	0.77	0.86	0.54	0.83	0.84	
Calving ease, maternal, 1st calv.	0.71	0.81	0.54	0.75	0.75	
Calf survival, maternal, 1st calv.	0.69	0.82	0.41	0.71	0.74	
Calving ease, maternal, 2+ calv.	0.58	0.80	0.52	0.77	0.78	
Calf survival, maternal, 2+ calv.	0.70	0.78	0.45	0.68	0.67	
Milk	0.73	0.76	0.93	0.82	0.77	FIN
Calving index	0.66	0.63	0.43	0.49	0.65	
Calving ease, maternal, 1st calv.	0.60	0.59	0.39	0.42	0.61	
Calf survival, maternal, 1st calv.	0.56	0.56	0.40	0.47	0.57	
Calving ease, maternal, 2+ calv.	0.57	0.57	0.34	0.43	0.62	
Calf survival, maternal, 2+ calv.	0.58	0.53	0.35	0.48	0.53	
Milk	0.78	0.82	0.90	0.80	0.79	SWE
Calving index	0.58	0.59	0.39	0.51	0.61	
Calving ease, maternal, 1st calv.	0.60	0.57	0.34	0.48	0.58	
Calf survival, maternal, 1st calv.	0.41	0.56	0.38	0.46	0.58	
Calving ease, maternal, 2+ calv.	0.49	0.52	0.29	0.45	0.55	
Calf survival, maternal, 2+ calv.	0.44	0.51	0.38	0.42	0.52	

Table 6. Correlation between birth index and underlying traits by breed.

	Birth index					
	Angus	Charolais	Hereford	Limousin	Simmental	
Calving ease, direct, 1st calv.	0.93	0.86	0.94	0.81	0.88	DNK
Calf survival, direct, 1st calv.	0.87	0.68	0.89	0.87	0.82	
Calving ease, direct, 2+ calv.	0.84	0.91	0.91	0.88	0.94	
Calf survival, direct, 2+ calv.	0.86	0.68	0.86	0.88	0.83	
Calving ease, direct, 1st calv.	0.93	0.96	0.96	0.94	0.95	FIN
Calf survival, direct, 1st calv.	0.76	0.72	0.82	0.76	0.82	
Calving ease, direct, 2+ calv.	0.88	0.96	0.91	0.94	0.96	
Calf survival, direct, 2+ calv.	0.77	0.76	0.77	0.80	0.81	
Calving ease, direct, 1st calv.	0.95	0.97	0.97	0.96	0.97	SWE
Calf survival, direct, 1st calv.	0.79	0.83	0.86	0.78	0.86	
Calving ease, direct, 2+ calv.	0.91	0.97	0.93	0.95	0.96	
Calf survival, direct, 2+ calv.	0.80	0.85	0.79	0.82	0.89	