

Table 11. Supplemental data- Pearson correlation coefficients for original data sets

		Independents														
		1			2			3			4			5		
		Early L* to Aged Ventral L*			Early a* to Aged Ventral L*			Early b* to Aged Ventral L*			Early Color to Aged Ventral L*			Early marbling to Aged Ventral L*		
		Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr
1	A	.	.	.	A	.	.	A	.	.	A	.	.	A	.	.
	B	.	.	.	B	.	.	B	.	.	B	.	.	B	.	.
	C	1234		0.25252	C	1234	0.12515	C	1234	0.25871	C	1231	-0.46132	C	1231	-0.07216
	D	125		0.51747	D	125	-0.14529	D	125	-0.03694	D	125	-0.42324	D	125	-0.07973
	E	177		0.62089	E	177	-0.01354	E	177	0.44664	E	177	-0.48876	E	177	-0.08878
	F	144		0.48275	F	144	0.14783	F	144	0.46697	F	144	-0.40145	F	144	-0.07341
	G	158		0.54979	G	158	-0.11428	G	158	0.41487	G	315	-0.26144	G	314	-0.13463
	H	160		0.53804	H	160	-0.27114	H	160	0.09586	H	160	-0.45477	H	160	-0.3001
	I	559		0.31118	I	559	0.03146	I	559	0.11009	I	559	-0.42935	I	558	-0.06749
	J	1400		0.77793	J	1400	-0.25757	J	1400	0.61507	J	1399	-0.65717	J	1394	-0.08095
	K	.	.	.	K	.	.	K	.	.	K	.	.	K	.	.
	2	Early L* to Aged ventral a*			Early a* to Aged ventral a*			Early b* to Aged ventral a*			Early Color to Aged ventral a*			Early marbling to Aged ventral a*		
Study		N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	
A		.	.	A	.	.	A	.	.	A	.	.	A	.	.	
B		.	.	B	.	.	B	.	.	B	.	.	B	.	.	
C		1234	0.00342	C	1234	0.35584	C	1234	0.09805	C	1231	0.18916	C	1231	0.02871	
D		125	-0.17418	D	125	0.51688	D	125	0.2248	D	125	0.29149	D	125	0.14779	
E		177	-0.0997	E	177	0.37063	E	177	0.11317	E	177	0.25311	E	177	0.1352	
F		144	-0.09491	F	144	0.59955	F	144	0.25284	F	144	0.09815	F	144	-0.0545	
G		158	-0.10568	G	158	0.16559	G	158	0.21716	G	315	0.13355	G	314	0.01213	
H		160	-0.14749	H	160	0.69337	H	160	0.2363	H	160	0.49559	H	160	0.20581	
I		559	-0.00352	I	559	0.25956	I	559	0.14051	I	559	0.18229	I	558	0.0664	
J		1400	-0.19759	J	1400	0.71985	J	1400	0.03735	J	1399	0.26005	J	1394	-0.01685	
K	.	.	K	.	.	K	.	.	K	.	.	K	.	.		
3	Early L* to Aged ventral b*			Early a* to Aged ventral b*			Early b* to Aged ventral b*			Early Color to Aged ventral b*			Early marbling to Aged ventral b*			
	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	
	A	.	.	A	.	.	A	.	.	A	.	.	A	.	.	
	B	.	.	B	.	.	B	.	.	B	.	.	B	.	.	
	C	1234	0.19103	C	1234	0.22639	C	1234	0.23443	C	1231	-0.20645	C	1231	-0.02162	
	D	125	0.38869	D	125	0.16094	D	125	0.13192	D	125	-0.23532	D	125	-0.06806	
	E	177	0.44334	E	177	0.16413	E	177	0.42619	E	177	-0.2738	E	177	0.03674	
	F	144	0.26699	F	144	0.31877	F	144	0.5267	F	144	-0.1156	F	144	-0.09034	
	G	158	0.53183	G	158	0.20836	G	158	0.27242	G	315	-0.1341	G	314	-0.04686	
	H	160	0.36995	H	160	0.24347	H	160	0.29024	H	160	0.00239	H	160	-0.13534	
	I	559	0.23555	I	559	0.37745	I	559	0.00419	I	559	-0.23936	I	558	-0.01673	
	J	1400	0.41955	J	1400	0.33473	J	1400	0.53459	J	1399	-0.24455	J	1394	-0.0648	
K	.	.	K	.	.	K	.	.	K	.	.	K	.	.		

Table 11. Supplemental data- Pearson correlation coefficients for original data sets

		Independents														
		1			2			3			4			5		
		Early L* to Aged Ventral color			Early a* to Aged Ventral color			Early b* to Aged Ventral color			Early Color to Aged Ventral color			Early marbling to Aged Ventral color		
		Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr
4	A	151		-0.22835	A	151	0.26133	A	151	-0.04825	A	151	0.33369	A	151	0.00861
	B	.	.	.	B	.	.	B	.	.	B	.	.	B	.	.
	C	1234		-0.3043	C	1234	-0.04514	C	1234	-0.31213	C	1231	0.51894	C	1231	0.16745
	D	125		-0.48824	D	125	0.25582	D	125	0.10668	D	125	0.58274	D	125	0.12358
	E	177		-0.57049	E	177	0.16127	E	177	-0.34574	E	177	0.55768	E	177	0.19179
	F	144		-0.48058	F	144	0.01529	F	144	-0.36575	F	144	0.45181	F	144	0.1614
	G	158		-0.22927	G	158	0.48277	G	158	-0.53286	G	314	0.05705	G	313	0.34874
	H	160		-0.3144	H	160	0.44519	H	160	-0.09726	H	160	0.61929	H	160	0.24661
	I	559		-0.262	I	559	-0.11544	I	559	0.00107	I	559	0.41616	I	558	0.24285
	J	1400		-0.47611	J	1400	0.24023	J	1400	-0.34865	J	1399	0.61834	J	1394	0.24041
	K	.	.	.	K	.	.	K	.	.	K	.	.	K	.	.
	5	Early L* to Aged Ventral marbling			Early a* to Aged Ventral marbling			Early b* to Aged Ventral marbling			Early Color to Aged Ventral marbling			Early marbling to Aged Ventral marbling		
Study		N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	
A		151	-0.0345	A	151	0.13233	A	151	0.1607	A	151	0.33611	A	151	0.37418	
B		.	.	B	.	.	B	.	.	B	.	.	B	.	.	
C		1234	0.05905	C	1234	-0.01267	C	1234	-0.04501	C	1231	0.07578	C	1231	0.60621	
D		125	0.01896	D	125	0.26	D	125	-0.01023	D	125	0.1458	D	125	0.69547	
E		177	-0.04988	E	177	0.02361	E	177	0.00275	E	177	0.05514	E	177	0.54205	
F		144	0.04681	F	144	0.08017	F	144	-0.09058	F	144	-0.15911	F	144	0.68492	
G		158	0.05337	G	158	0.29536	G	158	-0.27786	G	314	0.04264	G	313	0.66206	
H		160	0.08501	H	160	0.15644	H	160	0.17117	H	160	0.16384	H	160	0.67473	
I		559	0.10914	I	559	-0.05832	I	559	0.11007	I	559	0.18127	I	558	0.61214	
J		1400	0.02287	J	1400	0.06271	J	1400	0.10621	J	1399	0.26399	J	1394	0.66222	
K	.	.	.	K	.	.	K	.	.	K	.	.	K	.	.	
6	Early L* to Aged Ventral firmness			Early a* to Aged Ventral firmness			Early b* to Aged Ventral firmness			Early Color to Aged Ventral firmness			Early marbling to Aged Ventral firmness			
	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	
	A	151	-0.05816	A	151	0.15556	A	151	0.04244	A	151	0.07902	A	151	0.05688	
	B	.	.	B	.	.	B	.	.	B	.	.	B	.	.	
	C	1234	0.04234	C	1234	-0.00831	C	1234	0.06055	C	1231	0.01317	C	1231	0.13918	
	D	125	-0.04423	D	125	-0.08703	D	125	-0.0776	D	125	0.06003	D	125	-0.07172	
	E	177	0.0958	E	177	0.06437	E	177	0.08185	E	177	0.08658	E	177	0.35577	
	F	144	-0.26014	F	144	0.13205	F	144	-0.13613	F	144	0.12142	F	144	0.17676	
	G	158	0.12164	G	158	0.34436	G	158	-0.27977	G	314	-0.01675	G	313	0.17958	
	H	160	0.10451	H	160	-0.00983	H	160	0.05024	H	160	0.01606	H	160	0.12683	
	I	559	-0.02009	I	559	-0.10425	I	559	0.03238	I	559	0.12259	I	558	0.16854	
	J	1400	-0.26852	J	1400	0.16064	J	1400	-0.1186	J	1399	0.40847	J	1394	0.47926	
K	.	.	.	K	.	.	K	.	.	K	.	.	K	.	.	

Table 11. Supplemental data- Pearson correlation coefficients for original data sets

		Independents														
		1			2			3			4			5		
		Early L* to Aged chop L*			Early a* to Aged chop L*			Early b* to Aged chop L*			Early Color to Aged chop L*			Early marbling to Aged chop L*		
		Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr
7	A	151		0.30182	A	151	-0.29564	A	151	0.12238	A	151	-0.34834	A	151	-0.01679
	B	807		0.60203	B	807	-0.15289	B	807	0.42632	B	817	-0.40042	B	817	-0.03188
	C	1234		0.3273	C	1234	0.08177	C	1234	0.25743	C	1231	-0.47911	C	1231	-0.1335
	D	125		0.58683	D	125	-0.20378	D	125	-0.05399	D	125	-0.55728	D	125	-0.14191
	E	177		0.51016	E	177	0.05257	E	177	0.37154	E	177	-0.38273	E	177	-0.13865
	F	144		0.52444	F	144	0.08545	F	144	0.42397	F	144	-0.36813	F	144	-0.08315
	G	158		0.05784	G	158	-0.08308	G	158	-0.06879	G	295	-0.10189	G	294	0.10061
	H	160	0.41329		H	160	-0.25478	H	160	0.10154	H	160	-0.43903	H	160	-0.19812
	I	559		0.38961	I	559	0.10351	I	559	0.07407	I	559	-0.37626	I	558	-0.03247
	J	525		0.67441	J	525	-0.28589	J	525	0.54811	J	525	-0.67872	J	522	-0.1629
	K	173		0.12983	K	173	0.03151	K	173	0.14616	K	173	-0.32134	K	173	-0.01472
8	Early L* to Aged chop a*			Early a* to Aged chop a*			Early b* to Aged chop a*			Early Color to Aged chop a*			Early marbling to Aged chop a*			
	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	
	A	151	-0.23488	A	151	0.5268	A	151	0.12917	A	151	0.35614	A	151	0.043	
	B	807	-0.19019	B	807	0.52408	B	807	-0.00267	B	817	0.14642	B	817	0.06873	
	C	1234	0.0564	C	1234	0.40724	C	1234	0.06813	C	1231	0.2419	C	1231	0.13559	
	D	125	-0.1114	D	125	0.66905	D	125	0.00823	D	125	0.4173	D	125	0.27038	
	E	177	0.1021	E	177	0.32411	E	177	0.24231	E	177	-0.01241	E	177	0.13708	
	F	144	0.01736	F	144	0.62803	F	144	0.26753	F	144	-0.00307	F	144	0.03982	
	G	158	-0.01499	G	158	0.28259	G	158	-0.20568	G	295	-0.03056	G	294	0.16946	
	H	160	-0.08902	H	160	0.66446	H	160	0.28533	H	160	0.49151	H	160	0.16032	
	I	559	0.05443	I	559	0.27852	I	559	0.18179	I	559	0.10065	I	558	0.0799	
J	525	-0.25294	J	525	0.61317	J	525	-0.0331	J	525	0.4249	J	522	0.16478		
K	173	0.0254	K	173	0.32437	K	173	0.12292	K	173	0.19578	K	173	0.0825		
9	Early L* to Aged chop b*			Early a* to Aged chop b*			Early b* to Aged chop b*			Early Color to Aged chop b*			Early marbling to Aged chop b*			
	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	
	A	151	-0.03531	A	151	0.30653	A	151	0.22214	A	151	0.10106	A	151	0.06175	
	B	807	0.28236	B	807	0.23176	B	807	0.41839	B	817	-0.08753	B	817	0.09488	
	C	1234	0.3189	C	1234	0.27749	C	1234	0.15105	C	1231	-0.1739	C	1231	0.05336	
	D	125	0.45219	D	125	0.28026	D	125	-0.03904	D	125	-0.21226	D	125	0.06381	
	E	177	0.49321	E	177	0.25335	E	177	0.47374	E	177	-0.30258	E	177	0.06535	
	F	144	0.45226	F	144	0.3191	F	144	0.54332	F	144	-0.20227	F	144	-0.0174	
	G	158	-0.00026	G	158	0.07924	G	158	-0.16447	G	295	-0.01002	G	294	0.11706	
	H	160	0.33235	H	160	0.27937	H	160	0.3444	H	160	0.09618	H	160	-0.0532	
	I	559	0.35414	I	559	0.21922	I	559	0.22356	I	559	-0.20482	I	558	0.07867	
J	525	0.40043	J	525	-0.03386	J	525	0.46975	J	525	-0.2959	J	522	0.05389		
K	173	0.03749	K	173	0.15284	K	173	0.17671	K	173	-0.22959	K	173	0.02309		

Table 11. Supplemental data- Pearson correlation coefficients for original data sets

		Independents																		
		1			2			3			4			5						
		Early L* to Aged chop color			Early a* to Aged chop color			Early b* to Aged chop color			Early Color to Aged chop color			Early marbling to Aged chop color						
		Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr				
10	A	.	.	.	A	.	.	A	.	.	A	.	.	A	.	.				
	B	807		-0.34915	B	807		0.08558	B	807		-0.23581	B	817		0.37709	B	817		0.2566
	C	1234		-0.22957	C	1234		-0.05394	C	1234		-0.27202	C	1231		0.43991	C	1231		0.18726
	D	125		-0.37358	D	125		0.25131	D	125		0.12112	D	125		0.48415	D	125		0.27166
	E	177		-0.52605	E	177		0.21074	E	177		-0.27494	E	177		0.4964	E	177		0.23818
	F	144		-0.53248	F	144		0.0373	F	144		-0.31431	F	144		0.47593	F	144		0.11628
	G	158		-0.08442	G	158		0.55696	G	158		-0.53236	G	304		0.11552	G	303		0.32999
	H	160		-0.2569	H	160		0.4905	H	160		0.05192	H	160		0.58144	H	160		0.24215
	I	559		-0.24945	I	559		-0.12511	I	559		0.01715	I	559		0.40473	I	558		0.19277
	J	525		-0.57141	J	525		0.30153	J	525		-0.43166	J	525		0.63376	J	522		0.31247
	K	.		.	K	.		.	K	.		.	K	.		.	K	.		.
	11	Early L* to Aged chop marbling			Early a* to Aged chop marbling			Early b* to Aged chop marbling			Early Color to Aged chop marbling			Early marbling to Aged chop marbling						
		Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr				
A		.	.	A	.	.	A	.	.	A	.	.	A	.	.					
B		807		0.13318	B	807		0.11118	B	807		0.19511	B	817		0.2141	B	817		0.58881
C		1234		0.0865	C	1234		0.10281	C	1234		0.06408	C	1231		0.05712	C	1231		0.50572
D		125		0.04008	D	125		0.25507	D	125		-0.04521	D	125		0.1738	D	125		0.69681
E		177		-0.16802	E	177		0.14646	E	177		-0.00275	E	177		0.20973	E	177		0.59586
F		144		0.08328	F	144		0.15401	F	144		-0.0285	F	144		-0.21371	F	144		0.47596
G		158		0.18347	G	158		0.34403	G	158		-0.20385	G	302		-0.06775	G	301		0.5765
H		160		0.04696	H	160		0.13548	H	160		0.18577	H	160		0.09532	H	160		0.45832
I		559		0.15834	I	559		-0.02225	I	559		0.18994	I	559		0.10786	I	558		0.56903
J		525		-0.07808	J	525		0.0923	J	525		0.01274	J	525		0.31444	J	522		0.61772
K		.		.	K	.		.	K	.		.	K	.		.	K	.		.
12	Early L* to Aged chop firmness			Early a* to Aged chop firmness			Early b* to Aged chop firmness			Early Color to Aged chop firmness			Early marbling to Aged chop firmness							
	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr					
	A	151		-0.10182	A	151		0.16507	A	151		0.00859	A	151		0.11052	A	151		0.09012
	B	807		-0.06184	B	807		0.11824	B	807		0.0292	B	817		0.09701	B	817		0.12307
	C	1234		-0.00528	C	1234		-0.06576	C	1234		-0.04476	C	1231		-0.04265	C	1231		0.12109
	D	125		0.01212	D	125		0.02075	D	125		0.0465	D	125		0.10549	D	125		0.19191
	E	.		.	E	.		.	E	.		.	E	.		.	E	.		.
	F	144		-0.08043	F	144		0.09178	F	144		0.08799	F	144		0.04403	F	144		-0.06459
	G	.		.	G	.		.	G	.		.	G	.		.	G	.		.
	H	160		0.03006	H	160		0.0183	H	160		0.1059	H	160		0.01444	H	160		0.20656
	I	559		0.01616	I	559		0.04372	I	559		-0.01426	I	559		0.10743	I	558		0.13726
	J	.		.	J	.		.	J	.		.	J	.		.	J	.		.
	K	.		.	K	.		.	K	.		.	K	.		.	K	.		.

Table 11. Supplemental data- Pearson correlation coefficients for original data sets

		Independents														
		1			2			3			4			5		
		Early L* to Instrumental tenderness			Early a* to Instrumental tenderness			Early b* to Instrumental tenderness			Early Color to Instrumental tenderness			Early marbling to Instrumental tenderness		
		Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr
13	A	151		-0.12825	A	151	0.05133	A	151	-0.04425	A	151	0.11083	A	151	0.04272
	B	807		-0.22242	B	807	-0.03853	B	807	-0.31125	B	817	-0.12566	B	817	-0.1886
	C	1233		-0.0396	C	1233	-0.0515	C	1233	-0.07087	C	1229	0.04288	C	1229	-0.08952
	D	118		-0.05253	D	118	-0.12711	D	118	0.05219	D	118	-0.00289	D	118	-0.18202
	E	177		-0.36704	E	177	-0.36704	E	177	-0.31837	E	177	0.21843	E	177	0.0533
	F	144		-0.14379	F	144	-0.11169	F	144	-0.00714	F	144	0.16555	F	144	-0.08266
	G	157		-0.24345	G	157	-0.04679	G	157	-0.13354	G	300	-0.02845	G	299	0.05177
	H	160		-0.20203	H	160	0.05781	H	160	-0.06352	H	160	0.09707	H	160	-0.03825
	I	555		-0.21613	I	555	-0.04574	I	555	-0.16199	I	555	-0.02424	I	554	-0.13998
	J	1400		-0.19068	J	1400	-0.11963	J	1400	-0.24224	J	1399	-0.03707	J	1394	-0.04017
	K	173		-0.04519	K	173	0.04442	K	173	-0.09313	K	173	-0.00224	K	173	-0.21871
	14	Early L* to Cook loss			Early a* to Cook loss			Early b* to Cook loss			Early Color to Cook loss			Early marbling to Cook loss		
		Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr
A		149	0.1159	A	149	-0.01741	A	149	0.10583	A	149	-0.09999	A	149	-0.00358	
B		807	0.22349	B	807	0.10919	B	807	0.07823	B	817	-0.25646	B	817	-0.1248	
C		1232	0.08122	C	1232	0.06791	C	1232	0.10618	C	1229	-0.10889	C	1229	-0.14439	
D		118	0.09603	D	118	0.04443	D	118	-0.05297	D	118	-0.07017	D	118	-0.08829	
E		177	0.37204	E	177	-0.0558	E	177	0.17608	E	177	-0.07045	E	177	-0.08716	
F		144	0.11092	F	144	0.01352	F	144	0.04603	F	144	-0.11916	F	144	0.08424	
G		158	0.04638	G	158	-0.24834	G	158	0.34989	G	302	0.02178	G	301	-0.22155	
H		160	0.1075	H	160	-0.04841	H	160	0.07491	H	160	-0.08897	H	160	-0.04779	
I		557	-0.0071	I	557	0.02072	I	557	-0.03017	I	557	-0.01596	I	556	0.00654	
J		1400	0.39511	J	1400	0.05721	J	1400	0.36177	J	1399	-0.46967	J	1394	-0.26133	
K		171	0.20448	K	171	0.14288	K	171	0.24373	K	171	-0.06413	K	171	-0.00667	
15	Early L* to Tenderness			Early a* to Tenderness			Early b* to Tenderness			Early Color to Tenderness			Early marbling to Tenderness			
	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	
	A	151	-0.07135	A	151	-0.01262	A	151	-0.12187	A	151	-0.03617	A	151	-0.03702	
	B	.	.	B	.	.	B	.	.	B	.	.	B	.	.	
	C	304	-0.07727	C	304	-0.11802	C	304	0.06388	C	300	0.05202	C	300	0.00139	
	D	125	-0.05556	D	125	0.05341	D	125	0.03221	D	125	0.07197	D	125	0.20108	
	E	.	.	E	.	.	E	.	.	E	.	.	E	.	.	
	F	144	-0.00487	F	144	0.10314	F	144	0.00482	F	144	-0.07245	F	144	-0.00009	
	G	.	.	G	.	.	G	.	.	G	.	.	G	.	.	
	H	160	0.02925	H	160	-0.05029	H	160	0.02842	H	160	-0.14804	H	160	-0.05222	
	I	147	0.12396	I	147	-0.21903	I	147	0.19369	I	147	-0.04669	I	147	0.27097	
	J	525	-0.13592	J	525	-0.09476	J	525	-0.12732	J	525	0.18384	J	522	0.24294	
	K	.	.	K	.	.	K	.	.	K	.	.	K	.	.	

Table 11. Supplemental data- Pearson correlation coefficients for original data sets

		Independents																		
		1			2			3			4			5						
Dependents		Early L* to Juiciness			Early a* to Juiciness			Early b* to Juiciness			Early Color to Juiciness			Early marbling to Juiciness						
		Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr	Study	N	Corr				
16	A	151		0.05525	A	151		0.04913	A	151		0.06044	A	151		-0.03555	A	151		-0.05298
	B	.	.	.	B	.	.	.	B	.	.	.	B	.	.	.	B	.	.	.
	C	304		-0.01594	C	304		-0.08202	C	304		0.07226	C	300		0.02068	C	300		-0.07618
	D	125		-0.12969	D	125		0.00528	D	125		-0.03949	D	125		0.10801	D	125		0.1724
	E	.	.	.	E	.	.	.	E	.	.	.	E	.	.	.	E	.	.	.
	F	144		-0.01942	F	144		0.10427	F	144		0.00062	F	144		-0.05122	F	144		-0.13053
	G	.	.	.	G	.	.	.	G	.	.	.	G	.	.	.	G	.	.	.
	H	160		0.02367	H	160		-0.15947	H	160		0.00528	H	160		-0.14522	H	160		-0.0382
	I	147		-0.01119	I	147		0.0212	I	147		0.11686	I	147		-0.02698	I	147		0.00281
	J	525		-0.18627	J	525		-0.10335	J	525		-0.15556	J	525		0.26277	J	522		0.17028
	K	.	.	.	K	.	.	.	K	.	.	.	K	.	.	.	K	.	.	.
17		Early L* to Flavor			Early a* to Flavor			Early b* to Flavor			Early Color to Flavor			Early marbling to Flavor						
	A	.	.	.	A	.	.	.	A	.	.	.	A	.	.	.	A	.	.	.
	B	.	.	.	B	.	.	.	B	.	.	.	B	.	.	.	B	.	.	.
	C	304		-0.00976	C	304		-0.03871	C	304		-0.03061	C	300		-0.00621	C	300		-0.04728
	D	125		0.07038	D	125		-0.04812	D	125		0.0698	D	125		-0.11376	D	125		-0.2177
	E	.	.	.	E	.	.	.	E	.	.	.	E	.	.	.	E	.	.	.
	F	144		-0.06713	F	144		0.10995	F	144		0.05954	F	144		0.08833	F	144		-0.13055
	G	.	.	.	G	.	.	.	G	.	.	.	G	.	.	.	G	.	.	.
	H	160		-0.03249	H	160		-0.00853	H	160		-0.02245	H	160		-0.00567	H	160		-0.03362
	I	147		-0.09475	I	147		0.27886	I	147		-0.23491	I	147		0.05618	I	147		-0.08905
	J	525		0.06995	J	525		-0.23537	J	525		0.05194	J	525		0.22811	J	522		0.14402
K	.	.	.	K	.	.	.	K	.	.	.	K	.	.	.	K	.	.	.	

Table 11. Supplemental data- Pearson correlation coefficients for original data sets

		Independents								
		6			7			8		
1	Extract. lipid to Aged Ventral L*			Early firmness to Aged Ventral L*			Early pH to Aged Ventral L*			
	Study	N	Corr	Study	N	Corr	Study	N	Corr	
	A	.	.	A	.	.	A	.	.	
	B	.	.	B	.	.	B	.	.	
	C	1236	0.16099	C	1231	-0.12722	C	1165	-0.26175	
	D	124	0.17588	D	125	0.00314	D	98	-0.66577	
	E	177	0.00199	E	177	-0.07063	E	177	-0.16729	
	F	144	0.18712	F	144	0.06137	F	144	-0.63867	
	G	304	0.13492	G	314	-0.04613	G	315	-0.54824	
	H	160	0.1276	H	160	-0.16646	H	160	-0.30759	
	I	558	0.22754	I	557	-0.03013	I	559	-0.47151	
	J	1394	0.19009	J	1399	-0.32406	J	1121	-0.55358	
	K	.	.	K	.	.	K	.	.	
2	Extract. lipid to Aged ventral a*			Early firmness to Aged ventral a*			Early pH to Aged ventral a*			
	Study	N	Corr	Study	N	Corr	Study	N	Corr	
	A	.	.	A	.	.	A	.	.	
	B	.	.	B	.	.	B	.	.	
	C	1236	0.15403	C	1231	0.00384	C	1165	-0.08883	
	D	124	0.20733	D	125	0.0319	D	98	0.08	
	E	177	0.18126	E	177	0.19304	E	177	-0.01949	
	F	144	0.10154	F	144	0.03424	F	144	-0.37052	
	G	304	0.11153	G	314	-0.11743	G	315	-0.25994	
	H	160	0.19187	H	160	0.14578	H	160	-0.00396	
	I	558	0.21716	I	557	0.04012	I	559	-0.15641	
	J	1394	-0.01429	J	1399	-0.01906	J	1121	-0.36087	
	K	.	.	K	.	.	K	.	.	
3	Extract. lipid to Aged ventral b*			Early firmness to Aged ventral b*			Early pH to Aged ventral b*			
	Study	N	Corr	Study	N	Corr	Study	N	Corr	
	A	.	.	A	.	.	A	.	.	
	B	.	.	B	.	.	B	.	.	
	C	1236	0.20627	C	1231	-0.04393	C	1165	-0.22957	
	D	124	0.20439	D	125	0.00698	D	98	-0.65948	
	E	177	0.13876	E	177	0.10112	E	177	-0.13522	
	F	144	0.13127	F	144	0.20588	F	144	-0.52848	
	G	304	0.1227	G	314	0.00392	G	315	-0.54753	
	H	160	0.29507	H	160	0.00754	H	160	-0.12598	
	I	558	0.30121	I	557	0.08047	I	559	-0.41405	
	J	1394	0.18964	J	1399	-0.20506	J	1121	-0.67125	
	K	.	.	K	.	.	K	.	.	

**Table 11.** Supplemental data- Pearson correlation coefficients for original data sets

		Independents								
		6			7			8		
4	Extract. lipid to Aged Ventral color	Study	N	Corr	Study	N	Corr	Study	N	Corr
		A	154	0.11875	A	151	0.11151	A	151	0.15845
		B	.	.	B	.	.	B	.	.
		C	1236	-0.11092	C	1231	0.17662	C	1165	0.26391
		D	124	-0.14688	D	125	0.05745	D	98	0.5773
		E	177	0.06647	E	177	0.02171	E	177	0.09995
		F	144	-0.13171	F	144	0.13013	F	144	0.48916
		G	303	-0.0032	G	313	0.29939	G	314	0.45737
		H	160	0.06484	H	160	0.21216	H	160	0.2568
		I	558	-0.05939	I	557	0.02384	I	559	0.49787
		J	1394	0.15328	J	1399	0.35145	J	1121	0.4241
		K	.	.	K	.	.	K	.	.
		5	Extract. lipid to Aged Ventral marbling	Study	N	Corr	Study	N	Corr	Study
A	154			0.18425	A	151	0.00462	A	151	0.14739
B	.			.	B	.	.	B	.	.
C	1236			0.54055	C	1231	0.25903	C	1165	0.08559
D	124			0.67645	D	125	-0.04056	D	98	0.25667
E	177			0.48191	E	177	0.12702	E	177	0.06791
F	144			0.58434	F	144	0.02707	F	144	0.10943
G	303			0.42568	G	313	0.27697	G	314	0.29626
H	160			0.58731	H	160	0.35736	H	160	0.09438
I	558			0.57773	I	557	0.1965	I	559	0.30007
J	1394			0.80374	J	1399	0.4202	J	1121	0.27483
K	.			.	K	.	.	K	.	.
6	Extract. lipid to Aged Ventral firmness			Study	N	Corr	Study	N	Corr	Study
		A	154	-0.09819	A	151	0.12707	A	151	0.00072
		B	.	.	B	.	.	B	.	.
		C	1236	0.1657	C	1231	0.15948	C	1165	-0.06152
		D	124	-0.03278	D	125	0.00089	D	98	-0.19178
		E	177	0.26784	E	177	0.17044	E	177	0.08586
		F	144	0.12356	F	144	0.1307	F	144	0.15769
		G	303	0.16249	G	313	0.18381	G	314	0.06904
		H	160	0.17034	H	160	0.26154	H	160	0.01891
		I	558	0.09721	I	557	0.12357	I	559	0.10489
		J	1394	0.48343	J	1399	0.46691	J	1121	0.31244
		K	.	.	K	.	.	K	.	.
			Early firmness to Aged Ventral color	Study	N	Corr	Study	N	Corr	Study
A	154			0.11875	A	151	0.11151	A	151	0.15845
B	.			.	B	.	.	B	.	.
C	1236			-0.11092	C	1231	0.17662	C	1165	0.26391
D	124			-0.14688	D	125	0.05745	D	98	0.5773
E	177			0.06647	E	177	0.02171	E	177	0.09995
F	144			-0.13171	F	144	0.13013	F	144	0.48916
G	303			-0.0032	G	313	0.29939	G	314	0.45737
H	160			0.06484	H	160	0.21216	H	160	0.2568
I	558			-0.05939	I	557	0.02384	I	559	0.49787
J	1394			0.15328	J	1399	0.35145	J	1121	0.4241
K	.			.	K	.	.	K	.	.
	Early firmness to Aged Ventral marbling			Study	N	Corr	Study	N	Corr	Study
		A	154	0.18425	A	151	0.00462	A	151	0.14739
		B	.	.	B	.	.	B	.	.
		C	1236	0.54055	C	1231	0.25903	C	1165	0.08559
		D	124	0.67645	D	125	-0.04056	D	98	0.25667
		E	177	0.48191	E	177	0.12702	E	177	0.06791
		F	144	0.58434	F	144	0.02707	F	144	0.10943
		G	303	0.42568	G	313	0.27697	G	314	0.29626
		H	160	0.58731	H	160	0.35736	H	160	0.09438
		I	558	0.57773	I	557	0.1965	I	559	0.30007
		J	1394	0.80374	J	1399	0.4202	J	1121	0.27483
		K	.	.	K	.	.	K	.	.
			Early pH to Aged Ventral color	Study	N	Corr	Study	N	Corr	Study
A	154			0.11875	A	151	0.11151	A	151	0.15845
B	.			.	B	.	.	B	.	.
C	1236			-0.11092	C	1231	0.17662	C	1165	0.26391
D	124			-0.14688	D	125	0.05745	D	98	0.5773
E	177			0.06647	E	177	0.02171	E	177	0.09995
F	144			-0.13171	F	144	0.13013	F	144	0.48916
G	303			-0.0032	G	313	0.29939	G	314	0.45737
H	160			0.06484	H	160	0.21216	H	160	0.2568
I	558			-0.05939	I	557	0.02384	I	559	0.49787
J	1394			0.15328	J	1399	0.35145	J	1121	0.4241
K	.			.	K	.	.	K	.	.
	Early pH to Aged Ventral marbling			Study	N	Corr	Study	N	Corr	Study
		A	154	0.18425	A	151	0.00462	A	151	0.14739
		B	.	.	B	.	.	B	.	.
		C	1236	0.54055	C	1231	0.25903	C	1165	0.08559
		D	124	0.67645	D	125	-0.04056	D	98	0.25667
		E	177	0.48191	E	177	0.12702	E	177	0.06791
		F	144	0.58434	F	144	0.02707	F	144	0.10943
		G	303	0.42568	G	313	0.27697	G	314	0.29626
		H	160	0.58731	H	160	0.35736	H	160	0.09438
		I	558	0.57773	I	557	0.1965	I	559	0.30007
		J	1394	0.80374	J	1399	0.4202	J	1121	0.27483
		K	.	.	K	.	.	K	.	.
			Early pH to Aged Ventral firmness	Study	N	Corr	Study	N	Corr	Study
A	154			-0.09819	A	151	0.12707	A	151	0.00072
B	.			.	B	.	.	B	.	.
C	1236			0.1657	C	1231	0.15948	C	1165	-0.06152
D	124			-0.03278	D	125	0.00089	D	98	-0.19178
E	177			0.26784	E	177	0.17044	E	177	0.08586
F	144			0.12356	F	144	0.1307	F	144	0.15769
G	303			0.16249	G	313	0.18381	G	314	0.06904
H	160			0.17034	H	160	0.26154	H	160	0.01891
I	558			0.09721	I	557	0.12357	I	559	0.10489
J	1394			0.48343	J	1399	0.46691	J	1121	0.31244
K	.			.	K	.	.	K	.	.



**Table 11.** Supplemental data- Pearson correlation coefficients for original data sets

		<b>Independents</b>										
		<b>6</b>			<b>7</b>			<b>8</b>				
<b>7</b>	Extract. lipid to Aged chop L*	Study	N	Corr	Early firmness to Aged chop L*	Study	N	Corr	Early pH to Aged chop L*	Study	N	Corr
		A	154	-0.14369		A	151	-0.10774		A	151	-0.31041
		B	.	.		B	817	-0.15356		B	818	-0.47036
		C	1236	0.18409		C	1231	-0.19735		C	1165	-0.25958
		D	124	0.14021		D	125	0.06525		D	98	-0.71079
		E	177	0.0158		E	177	0.02358		E	177	-0.14655
		F	144	0.25488		F	144	-0.07337		F	144	-0.56024
		G	294	0.13853		G	294	0.03901		G	295	0.08628
		H	160	0.17172		H	160	-0.19524		H	160	-0.28003
		I	559	0.30343		I	557	0.00233		I	559	-0.49483
		J	522	0.02615		J	525	-0.33856		J	415	-0.51673
		K	173	0.14132		K	173	0.04407		K	173	-0.07428
	<b>8</b>	Extract. lipid to Aged chop a*	Study	N	Corr	Early firmness to Aged chop a*	Study	N	Corr	Early pH to Aged chop a*	Study	N
		A	154	0.12665		A	151	0.04205		A	151	-0.14954
		B	.	.		B	817	-0.02804		B	818	-0.20678
		C	1236	0.26849		C	1231	0.05992		C	1165	-0.16072
		D	124	0.37937		D	125	0.06765		D	98	0.06355
		E	177	0.08882		E	177	0.10454		E	177	-0.12347
		F	144	0.2434		F	144	0.07153		F	144	-0.29383
		G	294	0.10516		G	294	0.01965		G	295	0.1132
		H	160	0.21673		H	160	0.15116		H	160	-0.09164
		I	559	0.33176		I	557	-0.02514		I	559	-0.24994
		J	522	0.16453		J	525	0.10948		J	415	-0.04902
		K	173	0.07651		K	173	-0.07019		K	173	-0.27862
<b>9</b>		Extract. lipid to Aged chop b*	Study	N	Corr	Early firmness to Aged chop b*	Study	N	Corr	Early pH to Aged chop b*	Study	N
		A	154	0.0236		A	151	-0.03698		A	151	-0.39039
		B	.	.		B	817	-0.0657		B	818	-0.33015
		C	1236	0.37573		C	1231	-0.0391		C	1165	-0.30709
		D	124	0.32164		D	125	0.07312		D	98	-0.58951
		E	177	0.09459		E	177	0.07708		E	177	-0.12186
		F	144	0.35251		F	144	0.09223		F	144	-0.45242
		G	294	0.17866		G	294	0.02826		G	295	0.11986
		H	160	0.33642		H	160	-0.10018		H	160	-0.23108
		I	559	0.43668		I	557	0.0023		I	559	-0.44856
		J	522	0.2557		J	525	-0.10816		J	415	-0.19875
		K	173	0.16703		K	173	0.13233		K	173	-0.01885

**Table 11.** Supplemental data- Pearson correlation coefficients for original data sets

		Independents								
		6			7			8		
10	Extract. lipid to Aged chop color			Early firmness to Aged chop color			Early pH to Aged chop color			
	Study	N	Corr	Study	N	Corr	Study	N	Corr	
	A	.	.	A	.	.	A	.	.	
	B	.	.	B	817	0.16805	B	818	0.45191	
	C	1236	-0.0995	C	1231	0.1889	C	1165	0.16197	
	D	124	0.05469	D	125	0.0684	D	98	0.50708	
	E	177	0.15681	E	177	0.19043	E	177	0.14319	
	F	144	-0.10309	F	144	0.15619	F	144	0.51434	
	G	303	-0.06548	G	303	0.29619	G	304	0.42258	
	H	160	0.00103	H	160	0.20526	H	160	0.2047	
	I	559	-0.10596	I	557	0.03362	I	559	0.50183	
	J	522	0.1953	J	525	0.37285	J	415	0.54568	
	K	.	.	K	.	.	K	.	.	
11	Extract. lipid to Aged chop marbling			Early firmness to Aged chop marbling			Early pH to Aged chop marbling			
	Study	N	Corr	Study	N	Corr	Study	N	Corr	
	A	.	.	A	.	.	A	.	.	
	B	.	.	B	817	0.22768	B	818	0.17334	
	C	1236	0.67023	C	1231	0.28948	C	1165	0.05597	
	D	124	0.6981	D	125	0.09195	D	98	0.20619	
	E	177	0.69025	E	177	0.06567	E	177	0.11814	
	F	144	0.76303	F	144	-0.00374	F	144	0.02202	
	G	301	0.61692	G	301	0.15297	G	302	0.25983	
	H	160	0.53758	H	160	0.26166	H	160	0.11412	
	I	559	0.75374	I	557	0.19529	I	559	0.17679	
	J	522	0.74981	J	525	0.42477	J	415	0.3528	
	K	.	.	K	.	.	K	.	.	
12	Extract. lipid to Aged chop firmness			Early firmness to Aged chop firmness			Early pH to Aged chop firmness			
	Study	N	Corr	Study	N	Corr	Study	N	Corr	
	A	154	0.1078	A	151	0.23763	A	151	-0.03743	
	B	.	.	B	817	0.10781	B	818	0.03228	
	C	1236	0.13637	C	1231	0.0555	C	1165	-0.03999	
	D	124	0.17492	D	125	0.16036	D	98	-0.04382	
	E	.	.	E	.	.	E	.	.	
	F	144	0.11805	F	144	-0.01222	F	144	-0.06843	
	G	.	.	G	.	.	G	.	.	
	H	160	0.22497	H	160	0.22529	H	160	-0.15183	
	I	559	0.1127	I	557	0.09806	I	559	0.06015	
	J	.	.	J	.	.	J	.	.	
	K	.	.	K	.	.	K	.	.	

**Table 11.** Supplemental data- Pearson correlation coefficients for original data sets

		Independents								
		6			7			8		
13	Extract. lipid to Instrumental tenderness			Early firmness to Instrumental tenderness			Early pH to Instrumental tenderness			
	Study	N	Corr	Study	N	Corr	Study	N	Corr	
	A	154	0.03156	A	151	0.13339	A	151	0.04406	
	B	.	.	B	817	-0.14574	B	818	-0.26284	
	C	1234	-0.01396	C	1229	-0.09363	C	1163	-0.09131	
	D	117	-0.19077	D	118	-0.02558	D	93	-0.21056	
	E	177	-0.08978	E	177	0.07152	E	177	0.09369	
	F	144	-0.22835	F	144	0.15145	F	144	0.06693	
	G	299	-0.06574	G	299	0.02496	G	300	0.15909	
	H	160	-0.23012	H	160	0.03109	H	160	0.08143	
	I	555	-0.23883	I	553	0.04995	I	555	0.06248	
	J	1394	-0.18896	J	1399	-0.09575	J	1121	-0.01482	
	K	173	-0.24563	K	173	-0.23831	K	173	-0.16404	
14	Extract. lipid to Cook loss			Early firmness to Cook loss			Early pH to Cook loss			
	Study	N	Corr	Study	N	Corr	Study	N	Corr	
	A	151	-0.03176	A	149	0.086	A	149	-0.02042	
	B	.	.	B	817	-0.15011	B	818	-0.54277	
	C	1234	-0.06321	C	1229	-0.10018	C	1163	-0.11896	
	D	117	-0.06113	D	118	-0.02211	D	93	-0.28338	
	E	177	-0.02772	E	177	0.07882	E	177	0.13081	
	F	144	0.18266	F	144	-0.0113	F	144	0.08123	
	G	301	0.0129	G	301	-0.21747	G	302	-0.32897	
	H	160	-0.01268	H	160	-0.09814	H	160	-0.12598	
	I	557	-0.01004	I	555	-0.04938	I	557	-0.08298	
	J	1394	-0.16623	J	1399	-0.33461	J	1121	-0.57082	
	K	171	0.0161	K	171	0.06243	K	171	-0.14131	
15	Extract. lipid to Tenderness			Early firmness to Tenderness			Early pH to Tenderness			
	Study	N	Corr	Study	N	Corr	Study	N	Corr	
	A	154	-0.09073	A	151	-0.00329	A	151	0.10412	
	B	.	.	B	.	.	B	.	.	
	C	304	0.03356	C	300	0.15852	C	283	0.11883	
	D	124	0.09287	D	125	-0.12281	D	98	0.26887	
	E	.	.	E	.	.	E	.	.	
	F	144	0.02188	F	144	0.02578	F	144	-0.01962	
	G	.	.	G	.	.	G	.	.	
	H	160	-0.00544	H	160	-0.03601	H	160	0.1163	
	I	147	0.09567	I	147	0.1313	I	147	0.32581	
	J	522	0.2515	J	525	0.2572	J	415	0.36906	
	K	.	.	K	.	.	K	.	.	

**Table 11.** Supplemental data- Pearson correlation coefficients for original data sets

		<b>Independents</b>								
		<b>6</b>			<b>7</b>			<b>8</b>		
<b>Dependents</b>	<b>16</b>	<b>Extract. lipid to Juiciness</b>			<b>Early firmness to Juiciness</b>			<b>Early pH to Juiciness</b>		
		Study	N	Corr	Study	N	Corr	Study	N	Corr
		A	154	-0.09301	A	151	0.12713	A	151	0.07699
		B	.	.	B	.	.	B	.	.
		C	304	-0.11358	C	300	0.0219	C	283	-0.00944
		D	124	0.15494	D	125	-0.05659	D	98	0.16808
	E	.	.	E	.	.	E	.	.	
	F	144	-0.07328	F	144	0.00599	F	144	-0.07487	
	G	.	.	G	.	.	G	.	.	
	H	160	-0.04919	H	160	-0.14615	H	160	0.22823	
	I	147	0.00729	I	147	-0.13733	I	147	0.11213	
	J	522	0.17916	J	525	0.28851	J	415	0.24973	
	K	.	.	K	.	.	K	.	.	
<b>17</b>		<b>Extract. lipid to Flavor</b>			<b>Early firmness to Flavor</b>			<b>Early pH to Flavor</b>		
		Study	N	Corr	Study	N	Corr	Study	N	Corr
		A	.	.	A	.	.	A	.	.
		B	.	.	B	.	.	B	.	.
		C	304	-0.04837	C	300	-0.11993	C	283	-0.00221
		D	124	-0.20565	D	125	0.04098	D	98	-0.09539
	E	.	.	E	.	.	E	.	.	
	F	144	0.01881	F	144	0.06903	F	144	-0.06908	
	G	.	.	G	.	.	G	.	.	
	H	160	-0.03099	H	160	-0.06227	H	160	0.13007	
	I	147	-0.02605	I	147	0.03418	I	147	-0.02737	
	J	522	0.28728	J	525	0.2443	J	415	0.14399	
	K	.	.	K	.	.	K	.	.	