

Herd Register or Generation Count 4-6 and BBR 100: Previous G-code Bulls by Genomic JPI December 2018

This report lists all bulls previously coded as genomically tested and marketed (NAAB status code G) that do not have 10 or more daughters with usable lactation records as of the cut-off date for this evaluation release. Official evaluations that combine the bull's genomic and progeny test information will be released after a minimum of 10 daughters have production (PTA protein) evaluations.

Name of Bull	Registration Number	GT	BBR	JH1	NAAB Code	Current AI Status	REL %	Milk	% Fat	% Prot	Prot	CM\$	NM\$	FM\$	GM\$	SCS	
JX FARIA BROTHERS BRAD STEVENS (5)	840003126052303	99K	100	C	1JE957	I	76	1400	0.00	67	0.05	61	604	568	495	452	2.79
OAKLANE DAZZLER DOORMAN 2125-ET	USA 067742125	99K	100	F	7JE1529	P	76	518	0.11	47	0.05	28	584	557	503	532	2.69
CAL-MART CHISEL DREW 4462-ET	USA 067384462	99K	100	F	7JE1545	P	75	1083	0.13	79	0.06	52	614	579	506	443	2.85
CAL-MART PILGRIM TAD	USA 067294424	99K	100	F	1JE944	I	77	789	0.11	61	0.10	48	584	544	457	512	2.96
CDF JLS COMANCHE TRIBUNE-ET	840003006436128	99K	100	F	7JE1629	P	77	951	0.12	69	0.08	51	586	549	469	471	2.98
JX AHLEM FRISCO (5)	USA 074067720	99K	100	C	29JE4033	P	77	1256	0.02	63	0.07	60	562	524	443	404	2.91
JX PROGENESIS LEADING (5)-ET	124 110035800	99K	100	F	200JE1113	P	76	1105	0.07	68	0.06	53	544	509	433	380	2.83
HILLVIEW LISTOWEL-P	USA 067333440	99K	100	F	200JE1045	P	81	1213	-0.04	50	0.03	50	525	500	450	451	2.91
SHAN-MAR LEMONHEAD KEYSTONE-ET	USA 067460157	50K	100	F	14JE759	P	77	346	0.22	61	0.13	38	573	528	429	465	2.95
JX BW ALTAHARMONY (5)	USA 119501373	99K	100	F	11JE1313	P	76	993	0.10	68	0.08	52	520	479	395	382	2.79
JX ALL LYNN'S VIEWPOINT (6)-P-ET	USA 119547724	99K	100	F	29JE4048	P	76	650	0.19	69	0.07	38	556	524	455	407	2.89
JX FARIA BROTHERS ALTACORREA (6)	840003135124503	99K	100	C	11JE1335	I	75	1543	0.02	77	0.03	61	543	517	463	383	2.93
PRIMUS COMANCHE KESTREL-P-ET	840003006436131	99K	100	F	7JE1630	P	76	2035	-0.19	55	-0.06	59	535	538	545	443	2.99
JX CLOVER PATCH HARRIS HAWK (5)	USA 119814400	99K	100	F	7JE1607	P	77	1854	-0.06	75	0.01	69	518	493	442	349	2.87
AHLEM REGENCY PRINCETON-ET	USA 074067733	99K	100	F	7JE1544	P	77	1654	-0.12	53	-0.03	52	510	506	499	440	3.04
SHAN-MAR REGENCY KADEN-ET	USA 067460147	50K	100	F	14JE751	P	77	841	0.08	56	0.10	50	528	489	403	419	3.04
JX CAL-MART SWOOSH (5)-ET	USA 067384557	99K	100	F	29JE4098	P	74	1588	-0.15	43	-0.03	51	500	494	481	398	2.97
JX PROGENESIS HIPSTER (5)-ET	124 012311713	99K	100	F	200JE1110	P	75	1638	-0.05	67	-0.02	55	531	518	493	390	2.86
JX SPRING CREEK HARRIS STUB (5)-ET	USA 119413533	50K	100	F	14JE739	P	76	854	0.17	75	0.08	47	544	506	427	433	2.87
AHLEM CHILI CHARMER	USA 074067595	99K	100	F	29JE4009	P	76	599	0.14	57	0.09	40	517	478	397	427	2.87
KASH-IN SLUGGER-P-ET	840003126536278	99K	100	F	7JE1526	P	77	195	0.34	78	0.16	38	548	498	386	420	3.06
JX MULTI-ROSE RADICAL (5)-P-ET	840003132093005	50K	100	C	14JE736	P	75	1403	-0.11	44	0.05	60	508	480	420	411	3.09
JX FARIA BROTHERS ALTARICHT (5)-ET	840003135124426	99K	100	C	11JE1338	P	76	1028	0.12	73	0.09	55	522	480	392	377	2.89
JX AHLEM HARRIS BALTAZAR (5)-ET	USA 074067612	99K	100	F	29JE4008	P	78	1196	-0.04	48	0.02	47	482	462	422	408	2.95
JX AHLEM BOUDREAUX STORMCLOUD (4)-ET	USA 074067679	99K	100	F	7JE1540	P	76	1024	0.05	60	0.02	41	536	520	484	444	3.03
JX HEARTLAND HARRIS MAGLIO (5)	USA 119531794	99K	100	F	1JE963	I	76	1356	-0.01	62	0.04	57	513	483	420	394	2.84
SIMPLY NATURAL PHAROAH DUKE	USA 067199400	80K	100	F	76JE173	I	76	1347	-0.05	53	-0.01	46	521	507	481	407	2.80
AHLEM DARTAGNAN-ET	USA 067823014	50K	100	F	14JE745	P	76	1251	-0.04	52	0.01	48	485	465	425	390	2.88
RIVER VALLEY MAKER-ET	840003133234491	99K	100	F	200JE10018	P	76	500	0.21	67	0.08	34	540	509	442	455	2.99
TOG ALTAFFIRM-ET	840003135087308	99K	100	F	11JE1323	I	76	1197	-0.01	54	0.04	51	499	473	419	376	2.95
JX FARIA BROTHERS ISAIAH THOMAS (5)	840003126052327	99K	100	F	7JE1561	P	76	1037	0.10	70	0.06	50	531	498	429	397	2.91
AHLEM BANCROFT SHOCKER-ET	USA 067823475	99K	100	F	7JE1614	P	75	955	0.01	48	0.03	41	503	481	435	401	2.93
AHLEM EVOLUTION LEAR 22519-ET	USA 073409480	13K	100	C	203JE1621	P	78	1037	-0.07	35	-0.01	36	459	447	424	394	2.82
JX AARDEMA HARRIS NICO (5)	840003012658813	99K	100	F	1JE958	I	76	1645	-0.15	47	0.01	62	459	436	387	325	2.87
SCHOENE KUH MOOFASA-ET	USA 119734375	99K	100	F	200JE1107	P	76	1260	0.07	74	0.05	56	535	508	448	397	3.13
CO-OP AD FRMDBL HESTON (5)-ET	840003012658818	99K	100	F	1JE952	I	76	936	-0.03	38	-0.01	32	481	474	459	448	2.97
O.F. MAINSTREAM	USA 067198223	99K	100	F	200JE1066	I	76	1598	-0.05	65	-0.01	56	497	481	450	390	2.90
TOG JAVIER S743 8117-ET	840003136807511	29K	100	F	137JE5030	I	75	299	0.20	54	0.13	36	493	444	341	381	2.75
JX FOREST GLEN LUMINARY (5)	USA 067650025	99K	100	F	29JE4056	P	77	1691	-0.18	42	-0.04	52	471	467	460	375	2.92
JX MULTI-ROSE CHILI RUSTLER (5)-P-ET	840003132093008	99K	100	C	7JE1541	P	76	1215	-0.06	46	0.04	52	493	470	418	417	3.09
JX FARIA BROTHERS MOSS (4)-ET	840003135124498	99K	100	F	200JE1124	P	76	1412	0.03	73	0.00	51	503	490	463	404	3.09
SANDCREEKS-A COMANCHE SIERRA 244-ET	840003134637559	99K	100	F	7JE1646	P	76	1011	0.05	59	0.03	43	513	491	445	405	2.96
JX NORMANDELL HARRIS WESLEY (5)	USA 067731180	99K	100	F	29JE4019	P	76	1606	-0.08	60	0.01	59	487	465	421	348	2.81
VERJATIN WESTSTAR-ET	CAN 109411770	99K	100	F	200JE1064	P	77	994	0.08	63	0.05	46	513	484	424	406	2.89
JX AARDEMA PILGRIM TAYLOR (5)	840003130366601	99K	100	F	1JE943	I	76	822	0.02	44	0.02	34	491	470	429	398	2.74
JX AVI-LANCHE VALUE DEFY (6)	840003131650099	99K	100	C	11JE1306	I	77	717	0.08	50	0.03	32	493	473	433	421	2.89
JX MFW RULLOFF (5)-ET	USA 119720002	99K	100	F	200JE1106	P	76	1597	-0.02	72	0.02	62	511	489	439	345	3.01
JX RIVER VALLEY BELLVO (6)-ET	USA 075341133	99K	100	F	200JE10026	P	76	1146	0.04	62	0.08	58	471	432	348	325	2.97
ABS CHIPPER-ET	840003135245613	99K	100	F	29JE4055	P	76	1217	-0.02	54	0.03	51	495	473	423	423	3.05
RIVER VALLEY FERNLEAF FORT-ET	USA 075341034	99K	100	F	200JE10017	P	77	964	0.02	50	0.00	34	480	468	444	434	2.82
DODAN DEW-Z DEWEY-ET	USA 119306240	99K	100	F	200JE1053	P	77	522	0.20	65	0.11	42	512	468	373	386	2.93
JX AARDEMA HARRIS FRANKY (4)	840003012658847	99K	100	F	1JE967	I	76	1218	0.07	72	0.04	53	521	491	428	374	2.85
AHLEM BANCROFT SCORPION-ET	USA 067823455	99K	100	F	7JE1612	P	76	1436	-0.10	48	-0.01	50	469	458	435	382	3.03
AHLEM TORPEDO HOBBITON 23428-ET	USA 067823428	99K	100	F	7JE1599	P	75	1186	0.05	66	0.01	45	500	483	448	366	2.93
RIVER VALLEY BULLET-ET	840003126479258	99K	100	F	7JE5047	P	76	623	0.11	52	0.05	32	494	471	422	392	2.94
JX RIVER VALLEY TRIUMPH (5)-ET	840003131639877	99K	100	F	7JE5041	P	77	1576	-0.07	61	-0.02	52	459	449	430	351	2.91
JX FARIA BROTHERS PORTIS (5)-ET	840003135124282	99K	100	F	7JE1601	P	76	1136	0.00	53	0.03	48	478	453	401	381	2.90
JX AHLEM JUMBO MATE (5)	USA 074067543	99K	100	F	11JE1289	P	76	1150	-0.03	48	0.02	46	468	447	404	344	2.91
AHLEM ALTAJAJUN-ET	USA 074067726	99K	100	F	11JE1318	P	77	889	0.01	45	0.05	42	452	426	370	355	2.95
JX KASH-IN SILAS (5)-P-ET	840003132715648	99K	100	F	7JE1557	P	77	1350	0.02	69	0.05	59	469	438	370	321	2.93
SUNSET CANYON MOTIVATION	USA 119241794	99K	100	F	29JE4013	P	76	601	0.05	38	0.05	31	457	432	380	426	2.82
JX BW ALTAHARVEST (5)-ET	840003131148666	99K	100	F	11JE1311	P	77	1347	-0.04	56	0.04	56	453	424	364	269	2.84
JX FARIA BROTHERS HEINSOHN (4)-P	840003135124096	99K	100	F	1JE978	I	77	960	0.03	52	0.00	34	496	486	465	450	2.91
JX AVI-LANCHE JAVA (5)	840003131651012	99K	100	F	29JE4076	P	76	1731	-0.05	72	-0.01	61	451	433	397	330	2.85
SAND HILL FORMIDABLE KANDOR	USA 067388301	99K	100	F	29JE4028	P	76	1390	-0.02	62	-0.04	42	495	496	498	441	3.09
JX CLOVER PATCH HARRIS CONGO (5)	USA 119294895	99K	100	F	7JE1519	P	76	919	0.03	50	0.04	42	447	421	366	365	2.87
JX SUNSET CANYON DARIAN (5)	USA 119327807	99K	100	F	29JE4035	P	77	1138	0.07	69	0.04	50	466	436	375	329	2.83
KASH-IN SIGNAL-ET	840003126536266	99K	100	F	7JE1507	P	78	992	-0.02	44	0.04	43	416	391	340	297	2.85
AHLEM CHILI BOWTIE-ET	USA 074067393	99K	100	F	11JE1274	P	78	586	0.06	40	0.07	36	420	393	331	406	3.10
JX KASH-IN STERLING (5)-P-ET	840003126536288	99K	100	F	7JE1508	P	78	1488	0.03	76	0.02	57	471	449	404	273	2.95

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PL	DPR	CCR	HCR	LIV	EFI	JPI	Type		FS	ST	SR	DF	RA	RW	RL	FA	FU	RH	RUW	UC	UD	TP	TL	RTP RV	RTP SV	JUI
							REL	REL																		
4.1	-2.3	-1.0	2.2	-1.6	7.3	183	76	1.4	0.2	0.7	0.4	H0.6	0.2	P0.4	S0.8	2.4	1.2	0.3	0.2	S2.2	W0.6	L0.9	W0.5	C0.1	18.4	
6.8	2.3	2.7	3.8	3.0	8.7	180	77	1.3	0.2	-0.2	0.4	H0.5	0.0	P0.4	S1.2	2.3	0.5	0.3	0.8	S2.6	C0.8	S0.1	C0.7	C0.9	23.8	
4.6	-2.4	-1.9	0.8	-0.1	7.9	170	77	0.8	0.2	0.3	0.6	L0.2	0.3	S0.3	S0.1	1.2	0.3	0.4	-0.2	S1.0	C0.1	L0.1	W0.3	C0.9	7.9	
3.8	1.6	2.3	3.2	2.6	8.2	170	78	0.8	1.9	1.2	0.8	L0.6	0.9	S1.0	S0.1	0.9	0.4	0.6	0.7	S0.2	C0.6	L0.4	C0.6	C0.5	7.4	
3.4	-0.8	0.4	3.2	0.6	9.5	167	77	1.2	2.2	1.0	1.2	L0.5	0.9	S0.1	S1.1	1.2	0.8	0.9	0.5	S1.0	C0.8	S0.1	C0.2	0.0	13.2	
3.9	-2.3	-2.1	-0.5	-1.7	8.7	164	78	1.2	-0.4	0.2	0.5	H0.3	0.0	P0.5	S0.6	1.5	1.1	0.4	0.5	S1.1	C0.2	L0.8	W0.1	C0.3	13.0	
3.4	-2.9	-2.3	0.1	-1.6	7.5	162	76	1.2	1.1	-0.4	0.9	L0.8	-0.2	S0.4	S0.3	1.0	1.1	0.6	-0.1	S1.9	C0.2	S0.3	C0.1	C0.3	14.6	
4.5	0.6	1.7	1.3	0.6	8.8	162	81	0.9	-1.0	-0.1	0.9	L0.6	-0.1	S0.3	L0.2	0.5	0.7	0.3	0.3	D0.2	C1.3	S1.3	C1.7	B0.4	7.3	
4.7	0.5	0.7	-0.6	1.4	8.7	161	78	1.4	1.3	-0.1	0.6	L0.5	0.4	S0.1	S0.7	1.6	1.0	0.4	0.4	S2.0	C0.7	L0.9	C1.4	C0.9	17.1	
1.7	-2.5	-1.5	0.6	-3.0	7.7	160	78	1.4	0.2	0.1	1.5	H0.2	0.0	S0.1	S0.5	1.6	1.8	1.1	0.4	S0.7	C1.4	L0.1	C0.3	C0.3	15.7	
4.8	-2.4	-1.1	2.3	-1.1	6.8	160	76	2.0	1.1	0.4	1.6	L0.3	0.8	P0.4	S0.4	2.3	2.0	1.2	0.5	S2.7	C1.2	L0.1	C0.8	C0.2	27.3	
1.5	-3.4	-3.3	-1.1	-1.7	6.9	159	75	1.1	1.2	0.2	1.3	L0.9	0.2	S0.3	S0.3	1.3	1.2	1.0	-0.2	S1.5	C0.8	S0.2	C0.6	0.0	14.2	
4.3	-1.1	0.3	2.4	1.9	9.3	158	76	1.3	0.1	0.6	1.2	L1.2	-0.1	S0.1	L0.1	0.0	1.5	0.9	0.8	D0.3	W0.1	S0.2	C0.5	B0.7	6.0	
1.5	-4.3	-3.7	-1.1	-5.1	8.4	157	78	1.2	0.1	-0.2	1.2	L0.1	-0.6	S0.1	S0.1	0.9	1.5	0.9	-0.3	S1.0	W0.2	L0.2	0.0	C0.2	9.3	
4.3	-0.8	1.0	3.3	-1.5	8.6	157	78	1.9	0.3	-0.2	1.2	0.0	-0.1	P0.3	S0.7	1.8	2.5	0.9	0.1	S1.4	C0.4	S0.1	W0.3	B0.2	19.0	
3.5	-0.6	-0.1	0.6	-0.8	9.1	157	78	1.6	0.8	0.3	1.7	0.0	0.4	S0.2	S0.6	1.4	1.8	1.3	0.7	S0.9	C1.3	L0.2	C1.0	C0.3	16.9	
4.3	-1.1	-1.2	0.9	1.9	6.9	154	75	2.1	2.5	1.0	1.2	L0.3	1.3	P0.6	S1.1	2.8	2.6	0.9	0.7	S2.7	C1.5	L0.2	C0.7	B0.2	31.2	
3.3	-2.8	-2.2	1.1	-0.7	7.2	153	76	1.3	1.6	0.8	1.0	L0.3	0.6	P0.4	S0.9	1.2	1.0	0.8	0.4	S1.4	C0.6	L0.5	C0.1	C0.3	13.9	
2.2	-1.2	0.2	1.7	-1.8	7.1	153	77	0.5	-0.1	0.6	0.1	H1.0	0.3	P1.0	S0.5	1.3	0.2	0.1	-0.2	S1.4	W0.6	L1.3	W0.7	B0.2	6.9	
4.0	-0.2	1.6	4.3	-0.7	9.4	153	78	1.0	0.5	-0.4	1.7	L0.5	-0.2	S0.7	L0.1	-0.2	1.3	1.2	0.6	D0.4	C0.1	L0.4	C0.6	B0.2	3.0	
2.2	-1.1	-0.8	-0.3	-0.8	6.8	153	77	1.2	2.1	-0.1	1.4	H0.3	0.7	S0.3	S0.4	1.3	1.1	1.1	0.5	S2.7	C0.2	S0.1	C0.5	C0.5	21.2	
3.6	-0.8	-0.3	1.7	-1.3	7.9	152	77	2.1	2.3	1.0	2.0	H1.3	1.4	P1.1	S1.5	1.9	2.2	1.5	0.2	S1.8	C0.3	L0.7	C0.4	B0.2	19.4	
1.2	-2.4	-2.3	-1.1	-2.4	6.6	152	75	1.0	0.9	0.5	0.6	L0.6	0.3	P0.3	S0.3	1.0	1.2	0.5	-0.1	S1.9	W0.2	L0.5	C0.5	B0.3	13.1	
3.4	-0.5	0.9	4.0	-0.3	8.4	152	79	1.3	0.1	-0.5	1.1	H0.1	-0.6	S0.3	S0.1	0.9	1.5	0.8	1.0	S1.1	W0.3	L1.2	C0.8	B0.3	13.1	
4.4	-0.3	0.3	1.8	2.0	7.6	152	76	1.4	0.1	0.0	1.2	0.0	0.1	S0.3	S0.4	1.0	0.9	0.9	1.0	S0.8	C0.7	L0.5	C1.6	C0.2	12.9	
2.3	-1.8	-0.7	3.1	-1.1	7.4	151	77	0.5	0.8	0.4	0.5	L1.0	0.0	S0.1	S0.5	0.2	0.4	0.4	-0.2	S0.2	W0.5	L0.5	W0.3	B0.4	0.4	
4.9	-1.0	-0.8	0.3	1.1	8.3	151	78	1.6	1.8	1.4	1.2	H0.7	1.6	P0.2	S1.0	1.7	1.5	0.9	0.8	S1.2	C1.2	L0.2	0.0	C0.1	18.5	
4.2	-1.1	0.5	2.5	-1.8	9.4	150	78	1.5	0.4	0.1	1.4	L0.5	0.4	S0.6	S0.1	1.1	1.5	1.1	0.3	S0.9	C0.4	S0.2	C0.3	C0.4	13.2	
3.6	0.1	1.2	2.4	1.2	8.1	150	78	1.3	1.5	-0.3	1.4	L0.9	0.0	S0.9	S0.3	0.7	1.4	1.0	0.5	S0.6	C0.8	L1.2	0.0	C0.8	9.5	
3.2	-1.8	-1.2	2.8	0.7	8.6	149	77	1.2	1.1	-0.1	1.4	L1.2	0.0	S0.9	S0.1	0.2	1.4	1.1	0.4	S0.8	W0.9	S0.4	W0.2	B0.1	9.0	
2.4	-2.4	-0.7	1.7	-1.3	6.2	149	75	0.7	-1.0	0.0	0.0	H1.0	-0.2	P1.1	S0.8	1.5	0.7	0.0	-0.3	S0.8	W0.4	L0.7	W0.2	C0.4	6.9	
4.4	-0.7	0.2	1.5	1.9	8.7	149	77	2.1	1.1	0.4	1.5	L1.3	0.3	P0.1	S0.2	1.6	2.0	1.1	0.3	S1.3	C0.8	S0.3	C1.2	B0.2	18.4	
5.5	0.3	0.7	3.7	0.8	9.0	149	79	1.4	-0.3	-0.2	0.6	H1.0	-0.2	P0.1	S0.5	1.9	1.2	0.5	0.9	S2.0	C1.0	0.0	C1.8	B0.7	22.3	
2.9	-3.0	-1.7	2.5	-2.9	6.2	148	75	1.6	0.8	0.5	1.1	H0.1	0.1	P0.6	S0.6	1.5	1.4	0.8	0.8	S1.0	C0.1	L0.5	W0.2	C0.1	14.9	
2.9	-2.3	-1.6	0.1	-1.8	9.3	148	77	1.2	0.9	0.1	2.1	L1.1	0.1	S0.5	L0.2	-0.3	1.5	1.6	1.1	D0.6	0.0	0.0	W0.5	C0.6	4.9	
5.8	2.0	2.0	2.3	3.2	6.7	148	76	0.8	-1.1	-0.8	0.2	L0.8	-0.4	S0.1	L0.2	1.2	1.5	0.2	0.2	S1.0	C0.7	S1.5	C0.8	C0.2	15.9	
2.0	-1.8	-1.8	-0.2	-2.2	8.0	147	78	1.5	2.5	0.2	1.8	L0.4	0.3	0.0	S0.5	0.6	1.5	1.3	0.4	S1.0	C0.2	L1.3	C0.8	B0.2	10.0	
3.6	-0.4	0.2	3.0	0.3	6.7	147	75	0.4	0.4	-0.3	0.7	L0.6	-0.1	S1.0	L0.1	0.5	0.2	0.5	-0.2	S0.5	C0.6	0.0	C0.1	C0.8	4.2	
4.3	-1.5	-0.3	1.5	0.2	8.6	146	78	1.2	0.0	0.0	0.9	H1.4	0.2	P0.7	S0.7	2.2	0.9	0.7	0.1	S2.1	W0.4	L0.6	C0.2	B0.2	17.0	
3.9	0.3	0.3	1.9	0.0	7.6	146	76	1.4	2.6	0.8	1.5	H0.3	1.1	P0.2	S0.5	1.3	1.5	1.1	-0.1	S1.8	C0.1	L0.4	C0.4	B0.6	14.9	
1.2	-1.6	-1.8	-0.2	-0.4	7.0	146	76	1.2	0.0	-0.4	1.1	L1.0	-0.8	P0.1	L0.2	0.1	1.7	0.9	0.8	S0.5	C0.1	S0.2	0.0	C0.3	10.6	
4.3	-1.0	-0.6	1.5	-0.2	8.6	146	76	1.5	1.5	0.6	1.3	L1.1	0.1	S0.1	S0.6	1.2	1.6	1.0	0.1	S1.3	C0.2	S0.3	W0.5	B0.1	14.7	
2.7	-2.8	-1.7	2.1	-1.5	8.2	145	77	0.5	0.0	0.5	0.4	L0.5	-0.4	P0.1	0.0	0.2	0.1	0.3	0.2	D0.1	0.0	L0.8	C0.2	C0.1	-0.1	
4.1	-0.8	-0.3	0.0	-2.5	8.9	145	77	1.4	1.6	0.7	1.4	0.0	0.7	S0.1	S0.5	1.0	1.6	1.1	0.2	S0.6	W0.1	L0.1	W0.3	0.0	10.3	
5.4	0.1	0.4	0.5	1.9	7.6	145	76	1.5	1.7	0.9	1.0	H0.3	0.7	P0.4	S0.6	1.7	1.3	0.7	0.7	S1.7	C0.5	L0.2	C1.0	0.0	19.0	
5.6	0.7	0.2	2.3	0.0	7.9	145	78	1.6	0.8	0.2	1.6	H0.3	0.3	0.0	S0.1	0.8	1.6	1.2	1.0	S1.0	C0.7	S0.3	C1.1	B0.4	16.3	
2.1	-3.8	-3.5	0.2	-2.1	8.2	144	77	1.2	0.6	0.5	0.7	L0.6	0.3	P0.4	S0.2	1.0	1.2	0.5	-0.1	S0.6	C0.4	L0.3	W0.7	C0.2	8.3	
1.2	-3.0	-2.0	2.2	-2.1	7.6	144	77	0.8	1.8	0.2	0.5	L1.1	0.0	S0.5	S0.3	0.9	0.7	0.4	0.0	S1.4	C0.1	S0.2	0.0	C0.9	11.2	
3.3	-0.1	0.6	3.4	-1.0	8.9	144	77	0.8	0.5	-0.1	1.7	L0.4	0.1	S0.4	S0.4	-0.3	1.1	1.3	0.3	D0.1	W0.8	L0.6	W0.1	B0.3	0.9	
4.4	1.5	0.9	0.0	1.1	8.4	144	78	0.9	0.8	0.1	0.6	L0.9	0.0	S0.3	S0.2	0.9	1.0	0.5	1.0	S1.0	C0.8	L0.6	C1.3	B0.1	13.6	
2.8	-1.0	-1.0	-0.2	-0.3	9.3	143	78	1.2	1.0	0.9	1.2	L0.3	0.7	S0.2	S0.2	1.1	1.2	0.9	0.4	S0.6	C0.4	L0.1	W0.1	C0.2	11.0	
2.7	-2.4	-2.4	0.0	-1.7	7.3	142	76	0.3	0.4	0.7	-0.2	H0.1	0.2	P0.7	S0.9	0.7	-0.2	-0.1	-0.2	S0.8	W0.7	L0.3	W0.8	C0.4	2.9	
3.3	-1.0	0.0	2.4	1.0	9.8	142	77	1.6	0.7	-0.2	1.6	L1.6	-0.4	S0.8	L0.5	0.5	2.1	1.2	0.4	0.0	C0.2	L0.2	C1.2	B0.2	8.5	
3.2	-2.3	-2.8	0.4	-0.3	9.2	142	76	1.4	0.4	0.0	1.2	L0.7	-0.3	P0.1	S0.2	1.0	1.3	0.9	0.5	S0.6	C1.4	L0.4	C0.6	C0.1	12.1	
5.6	-0.6	-0.2	1.2	-0.6	8.5	142	77	1.8	0.0	0.1	0.8	H1.1	0.4	P0.7	S0.7	2.6	1.5	0.6	0.3	S2.4	C1.2	S0.1	C0.2	C0.7	25.0	
2.5	-2.3	-1.6	2.4	-2.2	8.6	141	80	1.6	1.7	0.2	2.5	L0.9	0.3	S0.6	S0.2	-0.4	1.1	1.9	1.2	D0.5	C2.2	S0.4	C1.0	B0.4	7.8	
3.2	-1.0	0.																								

Herd Register or Generation Count 4-6 and BBR 100: Previous G-code Bulls by Genomic JPI December 2018

This report lists all bulls previously coded as genomically tested and marketed (NAAB status code G) that do not have 10 or more daughters with usable lactation records as of the cut-off date for this evaluation release. Official evaluations that combine the bull's genomic and progeny test information will be released after a minimum of 10 daughters have production (PTA protein) evaluations.

Name of Bull	Registration Number	GT	BBR	JH1	NAAB Code	Current AI Status	REL %	Milk	% Fat	% Prot	Prot	CM\$	NM\$	FM\$	GM\$	SCS	
JX AHLEM WALTERWHITE RIDDLER (5)-ET	USA 074067600	99K	100	F	11JE1296	P	77	1009	0.08	64	0.07	50	485	455	388	356	3.08
JX PROGENESIS TELLEME (6)-ET	124 109792995	99K	100	F	200JE1101	P	76	891	0.07	57	0.02	37	454	434	393	358	2.85
JX SUNSET CANYON SPLASHED (5)	USA 119306361	99K	100	C	200JE1059	P	76	1663	-0.03	73	-0.01	58	461	446	415	303	2.92
JX HILMAR HARRIS GODFATHER (5)-ET	USA 119445095	99K	100	F	7JE1536	P	77	1707	-0.11	57	-0.02	56	433	423	403	301	2.90
JX WILSONVIEW HARRIS MCDONAL (5)	USA 119106701	99K	100	F	7JE1495	P	78	1300	-0.06	49	0.03	53	411	389	342	317	3.06
JX FARIA BROTHERS LEBRON (4)	840003126052246	50K	100	F	200JE1082	I	75	1065	0.02	55	0.03	44	460	438	391	318	2.88
JX FOREST GLEN HARRIS RHUMBA (5)	USA 067609797	99K	100	F	7JE1533	P	77	1332	-0.06	51	0.00	47	440	424	392	328	2.78
SANDCREEKS REGENCY ZENON-P-ET	840003126823312	50K	100	F	14JE740	P	77	915	0.06	56	0.06	45	441	415	357	355	3.12
MIDWAY ALL DAT SPLASH	USA 119635537	99K	100	F	7JE1546	P	77	570	0.17	61	0.06	33	490	463	405	382	2.95
AHLEM NEWS STRIDER-ET	USA 067823141	99K	100	F	7JE1553	P	77	1521	-0.17	37	-0.05	44	405	404	404	315	2.82
JX BLUE MIST METHOD PILOT (5)	USA 119427235	50K	100	F	14JE732	P	76	766	0.03	43	0.06	40	455	426	363	367	2.91
AHLEM AXIS DAGGAR 22486	USA 073409447	99K	100	F	203JE1620	P	80	871	-0.02	37	0.03	38	436	412	364	322	2.78
SEXING ZIPPER AUTOMATIC 59995-ET	840003010363742	50K	100	F	151JE1625	P	76	575	0.13	53	0.08	37	451	417	345	395	2.92
PINE-TREE PHARO 1ST DYNASTY-ET	USA 075191049	99K	100	F	7JE1516	P	78	898	-0.07	28	-0.03	27	450	449	448	429	2.96
JX SUN VALLEY JOLT (5)	USA 119282711	99K	100	F	200JE1058	P	76	1342	0.02	67	0.06	60	449	419	352	295	3.08
JX JARS OF CLAY ALTBACRAW (5)-ET	840003131148673	99K	100	F	11JE1312	P	78	1786	-0.14	54	-0.04	56	439	431	418	295	2.84
FOUR J ARCHER GALE	840003129219233	13K	100	F	97JE156	P	75	1255	-0.06	47	0.00	45	441	429	404	412	3.02
PINE-TREE REGENCY FICKLE-ET	USA 067901158	50K	100	F	14JE757	P	78	991	-0.01	45	0.03	42	446	427	385	369	3.04
RIVER VALLEY ROSETTE RACER	840003126479283	99K	100	F	200JE10007	P	77	685	0.07	46	0.03	30	408	391	356	357	2.93
HEINZ AXIS SANTA	840003126506098	99K	100	F	29JE4000	P	77	1104	-0.08	35	0.02	43	443	424	385	306	2.87
PEARLMONT FORMIDABLE DARBY	USA 067270628	99K	100	F	1JE948	I	77	1386	-0.12	40	-0.05	40	429	431	438	402	3.03
JX PROGENESIS TIGNISH (6)-ET	124 012302929	99K	100	C	200JE1062	P	76	1120	-0.02	48	-0.02	36	419	410	396	336	2.79
JX WILSONVIEW SWORD MAGNET (6)-ET	USA 119465129	99K	100	F	7JE1532	P	75	1333	-0.04	54	-0.03	42	449	446	440	354	3.03
SCHULTZ FORM JEWEL	USA 119328787	99K	100	F	29JE4022	I	76	1222	-0.11	35	-0.03	38	435	430	423	397	2.92
AHLEM DAYBREAK GENTLEMAN	USA 067823237	99K	100	F	29JE4057	P	77	935	-0.03	38	0.00	34	432	420	395	307	2.88
JX RIVER VALLEY RUTHLESS (5)-P-ET	840003126479169	99K	100	F	200JE10002	P	77	1237	-0.04	51	-0.01	42	434	424	403	336	2.89
JX WILSONVIEW VOLCANO SATISFY (5)-ET	USA 119619863	99K	100	F	29JE4051	P	77	1064	0.00	51	-0.02	35	442	435	422	370	2.93
AHLEM VMAN DYNAMITE-ET	USA 067823576	99K	100	F	250JE1616	P	74	814	-0.01	36	0.02	33	423	405	369	317	2.82
AHLEM LEXICON COGSWORTH	USA 074067593	99K	100	F	11JE1297	P	77	603	0.05	38	0.03	28	424	405	366	337	2.86
SEXING MAGNUM MARIO 60327	840003010364074	99K	100	F	203JE1636	I	77	1234	-0.02	54	0.01	46	432	419	389	348	3.07
JX AHLEM PROP JOE CAMO (4)-ET	USA 074067736	99K	100	F	11JE1304	P	76	432	0.22	64	0.07	30	470	438	372	341	2.81
JX SUNSET CANYON MINOAN (5)-ET	USA 119306352	99K	100	F	7JE1527	P	77	1149	0.02	58	0.06	53	440	409	342	294	2.96
AHLEM FORMIDABLE WICHITA 22978	USA 074067763	99K	100	F	509JE1537	P	76	1214	-0.06	45	0.02	47	424	407	370	348	3.02
NORSE STAR FIERCE VOLCANO-ET	USA 119408894	99K	100	F	7JE1520	P	77	1375	-0.13	38	-0.03	43	406	401	393	315	2.92
PROGENESIS HILLMAN	CAN 109266057	99K	100	F	200JE1074	P	77	577	0.07	42	0.02	25	411	396	366	381	2.90
DUTCH HOLLOW MACCOY-ET	840003126920569	99K	100	F	14JE721	P	78	1446	0.04	77	0.05	62	442	415	354	294	3.15
JX KASH-IN STEIN (5)-P-ET	840003132715669	99K	100	F	7JE1567	P	77	1331	0.02	67	0.05	59	425	392	321	253	2.90
JX AHLEM BADGER CORDOBA (4)-ET	USA 074067452	99K	100	F	1JE933	I	81	457	0.15	52	0.06	29	428	398	338	342	2.79
JX PROGENESIS TOTALLY (6)-ET	124 012302897	99K	100	C	200JE1049	P	75	639	0.06	42	0.01	25	425	413	388	319	2.87
CDF SANGITA-ET	840003124584857	80K	100	F	7JE1437	P	79	1259	-0.08	42	0.03	51	390	365	313	256	2.84
RIVER VALLEY DISCIPLE-P-ET	840003133234486	99K	100	F	7JE5064	P	76	1346	-0.10	43	-0.01	46	408	393	365	285	2.74
RIVER VALLEY FSDAFFY DRIFTER	840003013097822	99K	100	F	7JE5033	P	76	683	0.05	43	0.05	34	410	385	333	305	2.85
JX WAUNAKEE HARRIS PISTOL (5)	USA 073596577	99K	100	C	29JE4025	I	76	1576	-0.04	66	0.00	56	438	423	392	276	2.99
AHLEM TRANSFORMER RANDOLPH	USA 074067735	99K	100	F	11JE1302	P	76	946	0.09	63	0.06	46	445	414	349	253	2.91
PINE-TREE REGENCY FOCUS-ET	USA 067901153	50K	100	F	14JE756	P	78	977	0.00	47	0.05	45	397	375	324	312	3.15
LAST CHANCE PLUS MATLOCK (6)	USA 067276204	99K	100	F	11JE1277	P	76	954	0.06	57	0.04	43	404	382	334	328	3.08
SHAN-MAR PROTECTOR CLAY-ET	USA 067553104	99K	100	F	7JE1482	P	79	1058	0.00	50	0.01	41	400	386	334	358	3.05
LENCREST OPENROAD	CAN 109010111	80K	100	F	200JE1040	P	76	249	0.21	54	0.13	34	427	383	287	274	2.93
CAL-MART SANTANA LEE-P	USA 067384495	99K	100	C	29JE4058	P	76	492	0.13	50	0.06	30	420	393	335	312	2.86
JX FANELLI CHRISTTY (5)-P-ET	USA 119728475	29K	100	F	97JE157	P	75	526	0.05	36	0.05	29	397	373	323	326	2.89
JX FARIA BROTHERS COURTOIS (5)	840003126052036	99K	100	F	200JE1047	P	76	1416	-0.02	62	0.02	56	386	362	312	243	2.91
JX CRESCENT GRANITE (5)-ET	USA 067275626	99K	100	C	29JE4015	I	77	1480	-0.21	25	-0.08	37	361	368	388	309	2.79
SUN VALLEY PANORAMA	USA 119339673	99K	100	F	200JE1068	P	77	1003	-0.01	45	-0.01	35	421	410	388	304	2.85
JX FOREST GLEN JUMBO JACKS (5)-ET	USA 067578725	99K	100	F	29JE4014	I	77	622	-0.02	25	0.05	32	375	350	299	297	2.87
AHLEM SNAPDRAGON WILLOW	USA 067823040	99K	100	F	11JE1309	P	76	958	0.02	50	0.01	37	389	374	344	293	2.97
TOG ERIC P739 7922-ET	840003133371285	29K	100	F	137JE4740	I	76	103	0.16	37	0.11	26	388	346	257	287	2.75
JX FARIA BROTHERS MATIC (5)	840003126051953	99K	100	F	200JE1044	P	76	1395	-0.01	65	0.01	52	405	390	357	296	3.09
TATE ISAAC CRAYOLA	840003006436333	99K	100	F	11JE1286	P	76	1228	-0.07	44	-0.01	43	400	391	371	311	3.06
SUNSET CANYON DMITRY	USA 118376116	8K	100	F	97JE120	P	78	104	0.19	42	0.09	21	398	369	305	299	2.97
JX BLUE MIST PROP JOE SUPREME (4)	USA 119603897	99K	100	F	97JE154	P	76	788	0.11	61	0.04	37	432	410	363	335	3.01
KASH-IN SOLAR-PP-ET	840003126234075	99K	100	F	7JE1499	P	80	420	0.19	59	0.10	35	389	353	273	257	2.99
HILMAR CHILI HORMEL	USA 119211382	99K	100	F	11JE1281	P	76	777	0.09	55	0.05	39	386	359	302	280	2.94
HILMAR ZIPPER RIDE-ET	USA 119225730	99K	100	F	7JE1512	P	77	819	-0.01	36	0.03	35	376	359	323	351	3.01
RIVER VALLEY POSTERBOY	840003126479339	99K	100	F	7JE5043	P	77	744	0.12	59	0.03	33	401	385	349	291	3.06
AHLEM WARLOCK-ET	USA 073409399	80K	100	F	200JE1030	P	76	164	0.21	49	0.10	25	400	368	298	320	3.02
RIVER VALLEY FLASH-ET	840003126479438	99K	100	F	7JE5040	P	78	1144	-0.03	48	0.02	46	368	349	309	269	3.03
JX HILMAR GOLDA RING (4)-ET	USA 119225758	99K	100	F	11JE1288	P	77	927	0.02	48	0.02	38	394	379	344	281	3.05
DP IATOLA PUZZLES PRIDE-ET	USA 119444245	99K	100	F	250JE1534	P	77	948	-0.01	44	-0.01	33	391	382	364	295	2.93
JX AHLEM HARRIS PROMO (5)-ET	USA 074067402	99K	100	F	11JE1275	P	77	1401	-0.08	50	0.00	50	367	352	322	243	2.94
MS EASTON	USA 119146567	99K	100	C	29JE4010	I	77	978	-0.10	25	-0.01	34	350	343	327	269	3.03

Herd Register or Generation Count 4-6 and BBR 100: Previous G-code Bulls by Genomic JPI December 2018

PL	DPR	CCR	HCR	LIV	EFI	JPI	Type		FS	ST	SR	DF	RA	RW	RL	FA	FU	RH	RUW	UC	UD	TP	TL	RTP RV	RTP SV	JUI
							REL	REL																		
2.6	-1.5	-2.8	-0.8	-0.8	8.4	134	78	1.2	1.4	0.5	1.0	0.0	0.7	P0.4	S0.3	0.9	0.5	0.8	0.5	S0.4	C1.5	S0.1	C1.6	C0.2	9.8	
3.1	-1.3	-0.1	2.8	-0.6	8.2	134	77	1.4	0.6	0.6	1.1	H0.3	0.3	S0.4	S0.2	1.4	0.8	0.8	0.5	S1.2	C0.2	L0.7	W0.1	B0.1	12.6	
1.3	-4.3	-3.8	-0.3	-3.8	7.4	133	77	1.0	0.6	0.3	1.1	L0.6	-0.4	P0.2	S0.2	0.7	1.2	0.8	0.6	S0.2	C0.1	L0.8	W0.4	C0.6	7.3	
1.5	-3.5	-3.1	0.5	-2.3	8.5	133	78	1.2	0.8	0.0	1.0	H0.2	0.3	P0.5	S0.8	1.4	0.7	0.7	0.0	S2.0	0.0	L0.4	W0.4	C0.3	14.2	
1.3	-2.1	-0.2	2.8	-2.3	6.7	133	78	1.1	0.0	0.1	0.7	H0.2	-0.1	P0.3	S0.2	1.4	1.3	0.5	0.6	S1.6	C0.1	L0.4	C0.2	0.0	16.4	
3.5	-2.7	-2.3	0.0	-1.2	6.6	133	75	1.8	0.6	0.3	0.3	L0.1	0.0	P0.7	S0.4	2.1	1.7	0.2	-0.3	S2.2	C0.1	L0.6	C0.1	B0.1	18.3	
3.2	-2.0	-1.1	2.7	-0.9	8.6	132	78	0.7	0.4	0.4	0.4	L0.7	-0.4	P0.1	0.0	0.4	0.8	0.3	0.5	S0.4	W1.3	L1.0	W1.2	C0.3	3.8	
2.2	-1.0	-0.2	2.5	-1.7	9.8	132	78	1.7	0.9	0.7	1.7	H0.1	0.8	S0.9	S0.2	1.2	1.5	1.3	0.8	S0.9	C0.6	L0.1	C1.4	0.0	15.2	
3.8	-0.9	-0.4	2.2	0.9	8.4	132	78	0.9	0.6	0.4	1.1	L0.4	0.2	S0.2	S0.2	0.1	1.3	0.9	1.4	S0.3	W0.1	L1.5	W0.4	B0.6	8.0	
4.4	-1.4	-1.2	1.0	-1.0	9.2	131	78	1.9	0.7	0.8	1.3	L0.2	0.5	P0.2	S0.4	2.0	1.8	1.0	1.1	S1.2	C1.1	S0.2	C0.8	C0.6	21.9	
4.0	-0.1	0.6	1.8	0.9	8.0	131	76	0.7	0.4	0.0	0.5	L2.2	-0.6	S0.5	L0.1	0.2	1.5	0.4	-0.2	S0.3	W1.0	L0.5	W0.2	C0.3	3.0	
4.1	-1.2	-1.3	1.1	1.4	9.6	131	79	1.7	2.8	0.7	0.7	L1.5	1.0	P0.6	S0.9	2.1	1.8	0.6	-0.4	S2.6	W0.5	S0.4	W0.2	C0.3	20.8	
2.5	0.7	1.4	3.3	-0.7	5.7	131	76	0.4	-0.6	0.0	-0.3	L0.5	-0.1	P0.3	S0.1	0.6	1.1	-0.2	-0.4	S0.1	W0.6	L0.3	W0.9	B0.5	2.2	
6.0	1.9	3.5	3.9	4.2	8.2	131	79	1.3	0.3	0.7	0.7	H1.1	0.8	P0.5	S0.8	2.1	1.9	0.5	0.2	S1.5	W0.2	L0.8	W1.3	B0.7	16.9	
0.2	-3.9	-2.8	0.3	-2.3	7.3	130	77	1.4	0.7	1.2	1.1	L0.3	0.1	P0.1	S0.6	1.3	0.7	0.8	0.7	S0.5	C0.8	L0.8	W0.3	C0.2	10.3	
2.3	-4.0	-2.7	1.6	-1.8	8.8	130	79	1.4	1.2	0.7	1.4	H0.5	0.3	P1.1	S0.6	1.4	1.2	1.0	-0.4	S1.2	W0.3	L0.9	W0.3	C0.1	9.3	
3.3	1.4	1.7	2.5	-0.5	7.9	130	76	0.7	2.9	1.1	1.1	L1.1	0.9	S0.4	S1.1	0.6	-0.5	0.9	0.2	S1.2	C0.4	L0.7	0.0	C0.5	6.1	
4.1	-0.3	1.1	2.2	-0.1	8.9	130	79	0.9	-0.5	0.0	0.0	H0.7	-0.1	P0.2	S0.2	1.3	1.0	0.0	0.0	S1.2	W0.4	L0.8	W0.9	B0.9	9.9	
3.5	0.4	0.9	3.8	-0.4	9.3	130	78	1.7	2.4	0.8	1.1	L1.3	0.7	S0.9	L0.1	1.6	1.2	0.9	0.7	S2.5	C1.3	S0.3	C0.7	B0.3	23.8	
5.2	-2.0	-1.8	1.0	1.8	9.8	129	79	1.4	1.2	-0.1	1.1	L1.0	0.1	P0.2	S0.3	0.8	1.3	0.8	-0.3	S1.3	W0.8	S0.7	0.0	C0.1	10.5	
4.3	1.3	0.9	1.5	0.8	8.1	129	77	1.1	0.3	-0.2	1.0	L2.5	-0.2	S0.4	S0.1	0.0	1.7	0.7	0.3	S0.4	C0.3	S0.7	C0.3	0.0	8.9	
3.4	-0.9	-0.8	-0.4	-0.7	8.1	129	77	1.5	1.8	0.4	0.9	L0.7	0.1	S0.4	S0.7	1.9	1.1	0.6	0.6	S2.6	C0.2	L1.0	W0.4	B0.1	21.0	
3.7	-1.5	-0.2	2.5	1.5	7.4	128	76	0.9	-0.6	-0.2	1.1	L0.4	-0.6	S0.5	L0.9	-0.3	1.1	0.8	0.6	D0.3	0.0	L0.3	C0.8	B0.1	2.6	
5.4	1.6	0.6	1.8	1.1	5.6	128	76	0.3	0.3	-0.4	0.5	L1.1	-0.3	0.0	S0.4	-0.3	0.8	0.3	-0.1	S0.1	W0.3	S0.6	W0.1	B0.1	1.9	
4.6	-2.2	-2.2	2.7	2.2	10.2	128	78	1.6	0.3	-0.3	0.9	L0.2	-0.1	P0.6	S0.6	1.7	1.8	0.7	0.3	S2.2	C0.1	L0.1	C0.7	B0.4	20.6	
2.7	-1.5	-1.4	-1.0	-0.6	8.0	127	78	2.1	2.9	1.1	1.2	L0.4	1.4	P0.8	S1.1	2.4	1.7	0.9	0.1	S2.8	C0.7	L0.9	C0.5	B0.5	23.7	
4.5	-0.6	0.5	3.0	-1.1	8.1	127	78	1.4	0.3	0.4	0.3	L0.3	0.1	P0.5	S0.6	1.6	1.2	0.2	0.1	S1.7	W0.1	L1.0	C0.3	B0.2	14.0	
5.7	-1.1	-1.1	-0.8	-1.7	9.3	127	76	2.1	0.7	0.4	0.8	H0.7	0.8	P0.8	S1.1	3.5	2.5	0.6	-0.1	S2.8	C0.4	L0.1	C0.8	C0.1	29.0	
5.0	0.0	-0.5	0.3	1.4	9.7	127	79	1.6	0.6	0.4	0.3	L0.1	0.2	P0.3	S0.2	2.3	1.8	0.3	0.4	S1.9	C1.1	S0.4	C1.5	B0.1	23.3	
2.4	-1.0	-1.3	-1.4	-2.0	7.7	126	79	1.5	1.0	0.7	1.4	L0.3	0.6	P0.1	S0.5	1.8	2.3	1.1	0.6	S1.6	W0.3	L0.7	C0.2	B0.7	19.2	
3.4	-1.4	-2.0	1.3	0.6	7.1	126	77	0.9	1.8	0.9	0.6	L1.4	0.6	S0.5	S0.2	0.4	0.7	0.5	0.7	S1.3	W0.3	L0.5	C0.3	C0.4	10.4	
2.3	-2.5	-2.8	-0.1	-1.3	8.0	125	78	0.7	1.2	1.3	0.1	L0.8	0.5	S0.1	L0.1	0.7	0.2	0.1	0.4	S1.0	W0.4	L0.6	W0.1	C0.3	7.1	
2.4	-0.4	-0.7	0.5	-0.2	8.5	125	78	1.2	1.5	0.9	0.8	L1.3	0.7	P0.3	S1.0	0.8	1.4	0.6	1.1	S1.1	W0.5	L1.0	W0.1	B0.3	12.9	
4.6	-1.4	-0.4	3.0	-0.3	9.3	125	78	1.2	0.3	0.4	0.7	H0.4	0.4	P0.2	0.0	1.5	0.9	0.5	0.6	S1.1	C0.8	L0.7	C0.8	B0.3	13.8	
3.6	1.2	1.9	2.1	0.5	9.8	125	78	1.1	-0.3	-0.4	0.7	L0.4	-0.2	P0.3	S0.4	1.5	1.1	0.6	0.1	S1.3	C0.6	S0.1	C0.5	C1.0	14.3	
-0.2	-3.8	-3.7	-2.0	-5.1	8.8	124	79	1.3	1.3	0.2	1.5	0.0	0.4	S0.4	S0.1	0.8	1.5	1.1	-0.3	S0.3	C0.3	L0.1	W0.6	C0.2	6.7	
0.1	-4.6	-4.0	0.5	-3.7	7.4	124	78	0.8	1.5	0.7	0.9	0.0	0.3	P0.2	S0.3	0.8	0.4	0.7	-0.2	S0.8	W0.1	L0.7	W0.4	C0.5	5.0	
3.0	-0.3	0.0	1.3	0.0	7.1	124	77	0.9	1.1	0.5	0.6	L0.5	0.7	P0.1	S0.6	0.9	0.4	0.4	0.7	S1.1	C1.0	L0.4	C1.6	C0.7	11.9	
5.3	-0.8	-1.5	0.4	2.3	8.9	124	77	1.4	0.2	-0.1	0.2	L0.5	-0.1	S0.2	S0.2	2.1	1.2	0.2	0.8	S2.1	C0.6	0.0	W0.4	B0.3	22.4	
2.6	-2.4	-2.7	-1.8	-1.7	8.9	123	79	1.3	1.4	0.5	0.6	0.0	0.6	S0.2	L0.3	1.7	0.9	0.5	0.1	S1.8	C0.3	L0.5	C0.3	C0.6	15.3	
2.7	-2.5	-1.9	1.3	0.1	8.7	123	77	1.1	2.0	0.9	1.4	L0.8	0.9	0.0	S0.6	0.8	1.1	1.1	0.3	S0.6	C0.4	L0.6	C0.6	C0.4	8.7	
4.3	-1.1	-0.9	1.0	-0.9	8.4	121	77	0.9	0.7	-0.7	1.2	L1.3	-0.4	S0.5	L0.4	0.2	1.1	0.9	-0.3	S1.0	W0.1	S0.4	C0.2	0.0	7.4	
1.7	-3.9	-4.7	-1.7	-2.3	6.9	120	76	0.7	0.6	0.8	0.7	H0.1	0.3	P0.3	S0.7	0.8	0.5	0.5	0.8	S0.5	0.0	L0.7	C0.2	C0.1	7.9	
2.4	-4.5	-4.9	-0.9	-1.6	8.1	120	77	1.1	1.5	0.5	0.6	L0.6	0.2	P0.3	S0.8	1.6	1.2	0.5	0.3	S1.7	W0.2	L1.0	W0.1	C0.1	14.7	
1.6	-1.6	-0.1	2.0	-1.7	8.2	120	78	1.6	0.5	0.2	1.2	H0.7	-0.1	S0.4	S0.4	1.7	2.4	0.9	0.3	S1.4	W0.3	L0.8	W0.9	B0.9	17.0	
1.5	-0.6	-0.9	-1.8	-2.8	8.6	120	78	1.5	2.1	0.1	0.8	H0.1	0.9	S0.2	S0.5	1.2	1.2	0.6	0.2	S1.9	C1.5	S0.5	C0.8	C0.4	18.6	
1.2	0.2	0.3	1.1	-0.9	9.2	120	79	1.4	1.4	0.0	1.7	L0.9	0.1	S0.1	S0.3	0.2	1.7	1.3	0.9	D0.1	C0.6	L0.7	C0.3	C0.7	7.8	
2.9	-2.5	-2.5	0.1	-0.9	7.7	120	77	1.2	-0.1	0.2	0.8	L0.4	0.1	S0.1	L0.2	1.7	1.5	0.6	0.8	S0.9	C0.5	L1.0	C1.0	B0.3	15.0	
2.7	-1.4	-0.9	1.0	0.9	8.1	120	77	1.3	1.3	0.2	1.5	H0.7	0.3	P0.2	L0.2	1.5	1.4	1.1	-0.1	S1.3	C0.1	L0.8	0.0	B0.3	12.3	
3.8	0.1	0.2	0.1	0.1	7.8	118	76	1.9	1.0	0.6	0.9	H0.5	1.0	P0.6	S1.1	2.6	2.0	0.7	0.1	S1.5	C1.3	S0.1	C1.1	B0.1	21.6	
0.2	-4.0	-3.6	-1.2	-5.3	7.1	117	77	1.1	0.0	0.3	0.4	H0.2	0.0	P0.6	0.0	1.2	1.4	0.3	0.0	S1.1	C0.4	L1.0	W0.5	B0.2	10.9	
5.1	-0.3	0.3	1.5	-0.9	7.8	117	78	1.5	1.2	-0.1	1.3	L0.8	0.2	S0.4	S0.7	1.1	1.9	1.0	0.1	S1.4	C0.1	L0.1	W0.6	0.0	14.8	
4.5	-2.0	-1.4	1.3	0.2	8.3	117	77	1.4	0.7	0.8	0.8	H0.1	0.3	P0.4	S0.9	1.7	1.0	0.6	0.3	S1.4	C0.4	L1.1	C0.6	C0.2	13.7	
4.2	0.2	0.5	0.0	1.8	8.4	117	78	1.1	1.5	0.8	0.6	0.0	0.7	P0.1	S0.2	1.8	1.3	0.4	0.4	S2.2	C0.3	L0.1	C1.1	C0.2	20.2	
2.3	-1.6	-2.0	-0.4	-1.8	9.7	116	78	2.1	3.1	0.9	1.6	L0.4	1.5	S0.2	S0.9	2.2	2.5	1.2	0.5	S2.4	C1.2	L0.1	C1.1	B0.3	26.9	
3.4	-0.6	-0.5	2.7	0.2	7.3	116	75	0.6	1.3	-0.2	0.6	L0.6	0.5	P0.3	S0.6	0.8	0.3	0.5	0.1	S1.4	C0.4	L0.1	C0.2	C1.1	10.1	
0.2</																										

Herd Register or Generation Count 4-6 and BBR 100: Previous G-code Bulls by Genomic JPI December 2018

This report lists all bulls previously coded as genomically tested and marketed (NAAB status code G) that do not have 10 or more daughters with usable lactation records as of the cut-off date for this evaluation release. Official evaluations that combine the bull's genomic and progeny test information will be released after a minimum of 10 daughters have production (PTA protein) evaluations.

Name of Bull	Registration Number	GT	BBR	JH1	NAAB Code	Current AI Status	REL %	Milk	% Fat	% Prot	Prot	CM\$	NM\$	FM\$	GM\$	SCS	
AHLEM CHARLEMAGNE MERIT-ET	USA 074067518	99K	100	F	7JE1510	P	77	963	0.01	48	0.02	39	373	355	318	307	2.95
AHLEM AXIS CONAN-ET	USA 073409555	99K	100	F	11JE1273	P	78	1573	-0.15	43	-0.04	47	367	366	365	240	2.95
SEXING LEGAL TROLLEY 59617-ET	840003010363364	80K	100	F	151JE1615	P	77	647	0.05	41	0.03	30	347	329	289	249	2.94
COVINGTON ANTONIO-ET	USA 073796034	80K	100	F	200JE1024	P	76	-572	0.35	40	0.14	7	356	317	232	312	2.99
LENCREST GOALER-ET	CAN 109266060	99K	100	C	200JE1071	P	76	317	0.07	30	0.05	22	362	340	294	272	2.94
JX ALL LYNN'S PREDICTABLE (6)-PP-ET	USA 119547676	99K	100	F	29JE4047	P	76	225	0.06	22	0.04	17	317	296	253	262	2.78
JX AHLEM BADGER BODACIOUS (4)-ET	USA 074067475	99K	100	F	29JE3995	I	78	1083	-0.09	32	-0.06	27	318	322	335	246	2.79
SUNSET CANYON DIXIES DELIGHT-ET	USA 118714060	80K	100	F	97JE135	P	77	1135	-0.06	42	-0.04	33	358	361	368	258	3.08
ZIMM ALTAMERLIN	USA 067097790	99K	100	F	11JE1310	I	77	754	0.03	42	0.01	30	358	345	317	237	2.94
AHLEM PALMER SHIRE (6)	USA 074067459	99K	100	F	14UE718	P	75	1005	-0.03	42	-0.03	29	355	355	358	248	2.94
JX CAL-MART HARRIS BERMUDA (5)	USA 067294363	13K	100	F	97JE146	P	75	1086	0.04	59	0.04	47	361	338	289	192	3.06
JX BW EMINENCE (4)-ET	840003126535918	99K	100	F	7JE1513	P	77	1295	-0.10	40	-0.04	39	306	308	311	201	3.10
REYLA BARNABAS CHANNING	CAN 109219334	99K	100	F	250JE1543	P	76	243	0.17	46	0.07	22	338	313	258	237	2.92
JX AHLEM JUMBO KNIGHT (5)-ET	USA 074067461	99K	100	F	14UE719	P	77	434	0.06	33	0.03	22	319	305	274	251	3.01
RIVER VALLEY PIX PRESTIGE-P-ET	840003126479540	99K	100	F	7JE5031	P	78	-83	0.16	28	0.09	15	329	301	240	242	3.01
SHOT OF NAT BARNABAS AXEL-ET	USA 119194298	99K	100	F	250JE1497	P	78	777	0.00	37	0.01	29	309	298	277	232	2.94
JX SCHULTZ REMARKABLE (4)	USA 118937346	80K	100	F	200JE1032	P	78	1260	-0.13	32	0.00	45	322	312	291	202	3.12
MVF AXIS TOPSY 2146-ET	USA 067442146	99K	100	F	203JE1628	P	81	1135	-0.14	25	-0.05	30	296	299	308	168	2.84
RIVER VALLEY GWEN GAMER-ET	840003126479479	99K	100	C	7JE5037	P	77	785	0.01	39	0.01	31	294	281	253	186	2.94
SUNSET CANYON SPARKY MEGLADON	USA 119018886	13K	100	F	97JE142	I	77	545	0.05	37	0.03	26	300	285	251	208	3.01
JX GYPOS J CELTIC (5)	USA 119266841	13K	100	F	97JE148	P	75	925	-0.07	29	0.00	33	269	260	242	211	3.01
SUNSET CANYON DEBATE-ET	USA 117335824	50K	100	C	203JE1235	I	79	471	0.04	30	0.06	29	300	275	222	177	2.98
JX AHLEM JUMBO KAA (5)-ET	USA 074067472	99K	100	F	11JE1280	P	76	761	-0.05	25	-0.02	24	299	298	297	232	3.09
SUN VALLEY RENEGADE HOMERUN-ET	USA 117818042	50K	100	F	151JE14	I	82	209	0.21	51	0.10	28	297	262	186	243	3.00
GABYS VOLCANO WARREN	USA 118664132	80K	100	F	97JE133	P	76	823	-0.06	26	-0.03	23	273	276	281	226	2.99
SUNSET CANYON PERK-ET	840003005174894	50K	100	F	203JE1178	I	79	172	0.08	24	0.01	8	321	315	301	256	2.90
ORTHRIDGE DEFOREST-PP-ET	USA 119258051	99K	100	F	29JE4016	I	78	394	0.13	44	0.04	23	301	284	246	193	3.05
JX AHLEM JUMBO SPROUT (5)	USA 074067506	99K	100	F	11JE1287	P	76	1089	-0.10	30	-0.02	34	263	259	252	208	2.92
AHLEM TEXAS WILDCAT 22702-ET	USA 074067487	99K	100	F	250JE1511	P	77	202	-0.01	7	0.07	21	229	204	151	180	2.99
BLUE MIST MARVEL MAGIC-ET	USA 118703307	8K	100	F	97JE132	P	78	348	0.11	39	0.02	16	311	304	289	227	3.13
SUNSET CANYON MONTEE (6)-ET	USA 118846660	80K	100	F	97JE136	P	78	723	0.16	67	0.04	35	324	305	262	251	3.13
GABYS TAG CLARK-ET	CAN 107007856	50K	100	F	147JE6207	I	82	-45	0.26	49	0.09	16	311	284	226	267	3.09
ALL LYNN'S REGION VENDOR-ET	USA 117483376	50K	100	F	97JE107	I	83	646	0.06	43	0.03	29	304	291	261	169	3.14
AHLEM PERCIVALE SHOSHONE-ET	USA 071199820	80K	100	F	1JE857	I	76	540	0.03	32	-0.01	17	254	252	250	193	3.00
ALL LYNN'S TBONE MAJOR-ET	USA 117043934	50K	100	C	97JE103	I	80	-360	0.25	31	0.10	7	256	230	170	216	3.12
GABYS HEADLINE JOURNALIST-ET	USA 117168811	50K	100	F	147JE6202	I	84	1217	-0.19	18	-0.09	25	212	231	274	169	3.06
WILSONVIEW CHAMPS SKYCHIEF	USA 117111426	50K	100	F	203JE1155	I	82	164	0.05	18	0.05	15	186	170	136	167	3.03
GABYS JUMPSHOT ZEKE-ET	USA 116649865	50K	100	F	203JE982	I	77	106	-0.02	2	0.05	13	135	117	79	153	2.88
BUTTERCREST GLASGOW-ET	USA 117203756	50K	100	C	151JE9	I	81	677	-0.01	31	-0.04	17	229	234	244	141	2.96
COVINGTON RENEGADE BELDEN	USA 117840474	50K	100	F	76JE168	I	81	151	0.11	29	0.04	13	200	184	151	147	2.89
GABYS TAG TRUMAN-ET	CAN 107203352	50K	100	F	147JE6206	I	80	-131	0.20	33	0.04	4	223	211	183	191	3.02
ALL LYNN'S PERFORM TRITON-ET	USA 118435723	80K	100	F	147JE6218	I	78	1091	-0.13	25	-0.07	24	143	157	188	44	3.01
GABYS ALAN-ET	CAN 106797219	50K	100	F	147JE6208	I	81	115	0.20	45	0.04	13	207	192	160	139	3.03
ST-LO VALENTINO DARLINO	CAN 107202435	50K	100	F	147JE6205	I	77	497	-0.05	13	-0.02	14	126	127	132	46	3.03
CINNAMON RIDGE CHAMP CANDYLAND	USA 117001327	50K	100	C	203JE1154	I	76	152	0.05	18	0.03	11	64	54	31	8	2.99
RICHIES GREATNESS GREAT A440	USA 116486303	50K	100	C	203JE951	I	77	538	-0.13	-1	-0.07	6	59	75	111	83	3.00
VERJATIN CELEB STANLEY CUP-ET	CAN 106596050	50K	100	F	147JE6199	I	77	-108	0.12	18	0.05	6	94	83	56	87	3.19
WOODSTOCK LONDON	USA 115360057	50K	100	C	203JE774	I	77	-236	0.12	12	0.05	2	95	80	46	66	2.96
BW ACTION PONTIFF-ET	USA 116810890	50K	100	F	203JE1115	I	84	585	-0.14	-1	-0.08	4	28	51	101	42	3.08
PRAIRIE HARBOUR LINCOLN	USA 067000902	50K	100	F	147JE6170	I	77	190	-0.11	-12	-0.02	2	-12	-5	9	-18	3.05
SUN VALLEY JEWELER ALAMO-ET	USA 115545878	50K	100	F	203JE771	I	78	620	-0.12	5	-0.03	16	6	12	24	-32	3.10
ISAU RIVERSIDE AUTOMATIC	AUS A20594736	50K	100	F	200JE8155	I	74	-66	0.03	3	-0.01	-4	28	33	43	21	3.08
MVF LOUIE HOMERUN-ET	USA 067181697	50K	100	F	203JE1229	I	81	917	-0.15	12	-0.08	16	23	42	82	-23	3.00
RIVER VALLEY RIC RINGMAN-ET	840003126479535	99K	100	F	7JE5034	P	79	-1038	0.19	-14	0.08	-23	-49	-60	-86	2	3.09
BW JESTER-ET	USA 116492829	50K	100	C	200JE997	I	78	-22	0.08	14	0.05	9	-7	-19	-46	-61	3.20
PAYNESIDE GAME CHANGER	CAN 011830110	99K	100	F	94JE4029	I	75	-1197	0.12	-35	0.05	-34	-287	-284	-282	-264	3.29

Herd Register or Generation Count 4-6 and BBR 100: Previous G-code Bulls by Genomic JPI December 2018

PL	DPR	CCR	HCR	LIV	EFI	JPI	Type		FS	ST	SR	DF	RA	RW	RL	FA	FU	RH	RUW	UC	UD	TP	TL	RTP RV	RTP SV	JUI
							REL	REL																		
2.0	-0.2	-0.3	-0.3	-1.1	8.5	107	78	0.2	1.0	0.2	0.3	L1.0	0.3	S0.6	S0.4	0.6	0.2	0.2	-0.3	S0.2	C0.5	L0.3	C0.6	C0.9	2.1	
2.6	-3.3	-3.1	0.4	-0.3	9.6	105	83	1.7	1.6	0.8	1.7	L0.7	0.3	0.0	S0.7	0.5	1.0	1.3	-0.1	S0.9	C0.5	S0.3	C0.2	B0.2	9.0	
3.0	-1.5	-2.0	2.1	-0.2	8.4	105	78	0.5	-1.0	-0.6	0.8	L0.4	-0.8	S0.2	L0.1	-0.2	-0.2	0.6	1.2	S0.5	C0.7	S0.4	C1.9	B0.1	7.4	
3.0	0.8	2.5	2.6	0.0	6.1	105	76	1.0	-1.0	-0.7	0.8	H0.6	-0.5	S0.1	S0.4	1.5	1.6	0.6	0.6	S2.1	C0.3	S0.1	C0.9	B0.7	20.8	
4.2	-0.6	0.1	1.2	2.5	8.0	102	77	1.6	1.1	0.8	0.7	H0.7	1.1	P0.6	S0.9	2.0	1.1	0.5	1.0	S1.7	C0.6	L0.4	C0.6	C0.6	20.2	
4.7	0.3	0.2	2.1	-1.1	7.9	102	77	1.4	0.4	-0.4	0.9	L0.4	0.0	S0.2	S0.3	1.9	1.7	0.7	-0.3	S2.6	C0.2	L0.3	C0.8	C0.2	20.2	
4.1	-1.2	-1.4	2.1	-0.4	7.8	100	79	1.2	1.4	-0.1	1.0	L0.7	0.3	P0.3	S0.5	1.1	0.2	0.7	0.7	S1.6	C1.3	L0.1	C2.7	B0.1	15.1	
3.0	-2.1	-2.6	-0.3	1.5	9.2	99	78	0.9	-0.5	-0.5	0.7	H0.4	-0.4	P0.5	S0.5	0.9	1.2	0.5	0.5	S1.3	C0.3	L0.4	0.0	C0.4	13.2	
3.4	-2.0	-3.6	-0.9	0.1	9.3	99	78	1.6	2.2	0.8	0.3	L1.4	1.2	P0.2	S0.8	2.4	1.8	0.3	-0.1	S2.7	C1.2	L0.1	W0.1	C0.5	24.6	
3.5	-1.9	-2.3	-2.7	1.3	8.2	97	76	1.7	1.0	0.6	1.0	L0.7	0.3	P0.3	S0.5	1.8	1.4	0.7	0.3	S1.5	C0.8	S0.5	0.0	C0.5	18.5	
1.3	-4.5	-4.6	-1.5	-2.9	7.6	95	76	0.7	0.5	0.4	0.2	H0.1	0.4	P0.3	S0.5	1.0	0.4	0.1	0.4	S1.0	C0.2	L1.0	W0.7	C0.2	8.6	
2.0	-3.1	-2.4	1.4	-0.6	7.4	95	78	1.4	1.8	-0.1	1.6	L2.4	-0.7	S0.5	L0.4	0.4	1.8	1.2	0.8	S0.7	C2.0	S0.4	C1.2	0.0	15.4	
2.3	-1.9	-1.1	0.0	-1.7	7.1	95	77	1.7	1.6	0.8	1.3	L0.3	0.8	P0.9	S1.0	1.8	1.7	0.9	0.6	S2.1	C0.5	S0.2	C0.2	B0.2	22.3	
3.4	-0.5	0.0	1.3	0.0	7.2	94	78	2.2	3.4	2.2	1.7	H0.7	2.5	S0.1	S1.1	3.2	1.6	1.2	1.5	S2.8	C1.3	L1.0	C1.7	B0.1	31.8	
3.6	-0.2	-1.6	-0.9	2.2	9.5	94	79	1.5	-0.1	-0.4	0.5	H0.7	0.2	P0.7	S0.8	1.7	0.9	0.4	0.9	S2.8	C0.4	0.0	C0.6	B0.1	23.8	
2.8	-1.7	-0.7	1.4	-2.9	7.9	92	79	1.5	1.1	-0.3	1.1	L1.2	-0.1	P0.7	S0.9	0.9	1.6	0.8	0.5	S1.3	W0.2	L0.1	C0.9	B0.1	14.2	
2.6	-2.6	-2.5	0.9	0.9	7.7	91	78	1.4	2.9	1.5	1.0	L1.5	1.4	P0.2	S0.1	0.5	1.6	0.8	0.9	S1.0	C0.4	S0.2	C0.5	B0.5	14.5	
3.3	-3.8	-3.4	2.8	1.0	9.7	89	79	2.6	1.9	1.1	2.0	0.0	1.3	P1.4	S0.9	2.4	2.7	1.5	0.9	S1.0	C1.7	L0.5	C0.6	B0.9	23.3	
1.9	-3.2	-2.7	1.1	-3.7	9.0	88	78	1.9	1.0	0.0	1.7	H0.1	0.5	P0.9	S1.1	1.7	2.3	1.3	0.1	S1.5	C0.5	S0.3	C0.8	C0.1	19.2	
2.2	-1.5	-2.6	1.9	0.3	9.3	88	77	0.9	1.3	0.0	-0.1	L1.3	0.7	P0.4	S0.4	1.2	0.0	-0.1	0.3	S2.8	C0.5	0.0	C1.3	C0.9	17.7	
2.0	-1.0	-0.8	-0.4	-2.7	7.2	86	76	1.7	1.4	0.5	1.0	H0.8	1.1	P0.6	S0.8	1.9	1.5	0.7	0.7	S1.8	C0.8	L0.5	C0.1	C0.1	20.4	
2.7	-2.4	-2.7	2.2	0.9	10.0	85	79	0.9	0.6	0.1	0.5	L1.2	0.1	P0.3	S0.2	0.7	0.7	0.4	0.0	S0.9	C0.8	S0.6	C0.8	C0.7	9.9	
4.2	-0.8	0.2	0.7	1.0	7.1	85	77	1.8	2.6	1.3	0.7	H0.2	1.5	P0.4	S0.9	2.9	1.6	0.6	1.0	S3.2	C0.1	L1.3	C1.6	B0.2	28.7	
-0.6	-0.2	0.0	1.0	-1.9	6.1	84	79	0.0	0.4	0.1	0.3	L1.0	-0.2	S0.8	L0.2	-0.4	0.7	0.2	0.0	D1.2	C0.1	S0.4	C0.5	C1.6	-3.9	
3.1	-0.8	0.0	2.5	-0.3	8.7	84	81	1.6	0.8	0.4	0.8	H0.1	0.5	P0.3	S0.9	2.1	1.1	0.6	0.3	S2.1	C0.7	L0.6	C0.6	B0.3	19.4	
5.4	0.2	0.7	-0.4	3.6	7.7	83	79	0.8	0.4	-0.2	0.6	L0.8	-0.4	P0.3	S0.7	1.3	0.8	0.4	-0.1	S1.5	0.0	L0.2	W0.3	C0.8	11.8	
1.9	-2.1	-2.5	-0.6	0.6	7.8	82	78	0.8	0.5	-0.4	1.0	L0.3	-0.5	S0.7	L0.1	-0.3	0.3	0.7	0.7	S1.2	C0.8	S0.4	C1.2	C0.3	9.8	
2.0	-0.9	-0.6	-0.5	-2.5	6.8	81	77	1.1	2.1	0.8	0.7	0.0	1.1	P0.3	S0.6	1.2	1.0	0.5	0.1	S1.8	W0.9	L0.8	C0.2	C0.3	12.1	
3.2	0.1	-0.1	2.6	-0.7	8.4	81	79	2.1	2.4	0.8	1.4	L0.5	0.8	P0.1	S0.7	1.5	1.7	1.0	1.1	S3.0	C0.9	L0.4	C1.7	B0.1	27.0	
3.2	-1.3	-1.2	1.3	2.0	7.5	81	77	1.4	0.5	0.4	0.4	H0.6	1.0	P0.4	S0.8	2.1	0.5	0.3	0.4	S2.2	C1.3	S0.6	C0.5	C0.9	21.3	
-0.3	-1.5	-1.4	-1.9	-5.0	7.2	79	79	1.0	2.0	0.9	1.2	L0.1	0.5	S0.3	S0.3	0.5	1.1	0.9	-0.8	S0.4	W0.1	L0.8	W0.8	C0.3	1.7	
1.3	0.8	1.0	-0.2	0.8	6.1	73	80	0.2	0.3	0.6	-0.4	L0.6	0.5	S0.3	S0.2	0.6	0.0	-0.3	-0.8	S0.1	C0.3	S0.2	W0.1	C1.6	-0.3	
1.9	-3.3	-3.0	-0.8	1.5	8.8	72	79	0.6	-0.7	0.2	0.4	H0.2	0.2	S0.2	S0.4	1.0	0.6	0.3	0.2	S0.5	W0.5	L0.4	W0.1	B0.4	6.2	
2.4	-0.7	-1.0	-3.2	0.3	6.3	71	77	1.3	0.6	0.4	0.8	H0.1	0.8	0.0	S0.5	1.5	1.6	0.6	0.4	S1.7	C1.0	S1.0	C0.4	B0.1	20.5	
1.7	0.5	0.9	2.5	2.0	9.3	65	79	0.6	-0.4	0.2	0.3	L0.3	-0.1	S0.2	S1.0	0.6	0.0	0.2	0.4	S0.4	C1.9	S0.4	C1.3	B0.2	8.1	
2.6	-1.0	-0.9	-0.8	1.5	8.5	62	81	1.2	0.7	0.2	1.4	L0.8	0.3	S0.1	S0.3	0.9	1.2	1.0	0.2	S0.4	C1.1	S0.1	C0.9	C1.1	9.9	
1.7	0.6	-0.2	0.6	-1.8	9.6	61	80	1.1	0.1	-0.2	0.9	L0.7	-0.6	S0.1	S0.1	1.0	0.9	0.7	0.2	S1.0	C1.0	S0.2	C0.8	B0.1	12.1	
1.6	1.9	3.1	-1.0	-1.2	7.0	53	77	0.0	-0.7	-0.9	-0.3	0.0	-0.6	P0.3	L0.2	-0.1	0.5	-0.2	-0.1	S0.6	W0.5	S0.1	W0.6	C0.5	2.8	
2.0	-2.1	-2.9	-1.8	1.4	7.4	52	80	0.9	0.5	0.4	0.3	H0.4	0.2	P0.3	S1.2	1.2	0.7	0.2	-0.6	S1.2	W0.4	S0.1	C0.2	B0.4	8.0	
1.3	-0.6	0.0	0.7	0.0	6.0	52	78	-0.1	0.7	0.2	-0.3	L0.1	0.4	S0.2	S0.8	0.5	-0.9	-0.2	-0.5	S0.2	C0.7	S0.4	C0.3	C1.2	-0.5	
1.8	0.4	0.3	-0.2	0.6	6.0	50	78	0.2	0.3	0.0	-0.2	H0.6	0.2	P0.1	S1.1	1.3	0.2	-0.2	-0.6	S1.0	W0.3	L0.5	0.0	C1.6	5.2	
1.3	-4.3	-3.5	1.7	-2.2	8.2	43	78	0.9	-0.4	-0.5	1.5	L0.4	-0.5	S0.2	S0.2	0.0	0.5	1.1	0.5	S0.4	C0.9	S0.2	C1.2	B0.7	6.7	
0.0	-1.4	-1.5	-0.6	-0.8	6.5	42	79	0.0	-0.2	0.1	-0.4	L0.9	0.2	S0.3	0.0	0.2	0.4	-0.3	-0.2	D0.4	W0.5	L1.2	W0.6	C1.2	-3.6	
1.8	-2.3	-2.5	-0.5	0.6	8.8	35	77	1.2	1.3	0.1	1.2	L0.2	0.2	S0.2	L0.3	1.2	0.9	0.9	0.0	S1.3	C0.7	L0.5	C0.3	C0.2	11.8	
-0.6	-2.0	-2.8	-2.2	-3.5	9.2	21	78	1.1	0.5	-0.4	1.2	H0.2	-0.2	P0.1	0.0	0.7	0.9	0.9	-0.3	S0.9	C0.5	S0.1	C1.4	0.0	8.1	
1.2	0.5	1.0	1.2	-0.5	8.6	21	79	1.2	1.9	1.0	1.4	H0.6	0.9	P0.4	S1.2	0.9	1.3	1.1	1.1	S0.8	C0.4	L0.9	C0.7	B1.1	13.0	
0.4	0.3	-0.4	0.8	-2.1	7.7	21	78	0.8	1.5	0.2	0.9	H0.2	0.7	P0.4	S0.6	0.4	0.6	0.7	0.3	S0.6	W0.6	S0.2	C0.4	0.0	6.2	
0.4	-0.1	-0.6	-0.8	0.3	7.7	18	78	0.1	0.2	-0.4	0.4	H0.4	-0.6	P0.6	S0.7	-0.2	-0.1	0.3	-0.5	D0.3	W0.1	L0.9			-5.6	
1.1	0.1	0.0	1.2	1.4	8.6	9	82	0.8	0.5	0.2	1.2	L0.7	-0.3	S0.6	L0.4	0.0	0.8	0.9	0.2	D0.4	C0.3	0.0	C0.5	0.0	1.6	
1.0	-0.5	0.1	0.3	0.3	7.9	9	79	1.1	0.2	0.0	1.0	L0.4	-0.1	S0.5	L0.4	0.9	1.7	0.7	0.9	S0.5	C0.5	S0.9	W0.7	B0.1	14.9	
-1.0	-2.3	-2.8	1.0	-2.1	7.2	7	78	0.3	-1.0	-0.3	1.0	H0.4	-0.2	0.0	L0.5	-0.2	1.3	0.8	-0.1	D0.4	W0.1	S0.7			1.7	
1.2	0.1	-0.2	0.1	1.5	6.1	4	75	0.4	-0.8	-0.1	0.6	0.0	0.1	0.0	L0.5	-0.2	0.1	0.4	0.6	D0.9	C1.3	S0.9	C1.0	B0.2	1.1	
-0.3	-2.2	-3.2	-2.5	-1.1	7.2	2	79	-0.1	-0.5	-0.1	-0.2	L0.4	-0.2	0.0	S0.3	-0.3	-0.1	-0.1	0.1	D1.0	0.0	0.0	W0.3	C0.1	-5.2	
1.3	1.8	2.3	1.4	-2.3	5.9	-3	77	1.5	1.5	-0.5	0.9	H1.7	0.6	P0.7	S0.5	2.5	1.7	0.7	0.4	S3.4	C1.1	0.0	W0.8	B0.2	29.8	
-2.1	-2.3	-2.5	-1.7	-2.0	8.4	-7	79	1.1	0.9	0.7	1.3	L1.5	0.3	S0.1	L0.8	0.1	1.1	1.0	-0.1	0.0	C0.6	S0.2	W0.1	C0.2	4.0	
-0.4	-0.4	-1.4	0.5	-1.2	4.2	-90	75	1.2	1.3	0.7	-0.2	0.0	0.3	P0.9	S0.2	1.5	0.8	-0.1	0.3	S2.6	W0.1	L0.7	C0.5	B0.6	17.9	