

# Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI December 2017

ST	Name of Bull	Registration Number	GT	BBR	JH1	NAAB Code	No. Hrds	No. Daus	REL %	% Milk	% Fat	% Fat	% Prot	Prot	CM\$	NM\$	FM\$	GM\$	SCS
G	JX FARIA BROTHERS MALDINI (4)-ET	840003135124483	99K	100	F	507JE1604			72	890	0.26	94	0.08	48	703	662	568	576	2.75
G	JX WASKIV DANESTAR (4)-ET	DNK 082902380	99K	100	F	200JE7919			72	470	0.34	90	0.15	47	695	636	500	565	2.84
G	JX SUNSET CANYON GOT MAID (5)-ET	USA 119407594	99K	100	F	551JE1650			76	1452	0.06	81	0.05	62	689	651	566	549	2.72
G	CO-OP AD WORLD CUP (5)-ET	840003126073776	99K	100	F	1JE935			75	618	0.13	56	0.10	43	685	641	539	609	2.84
G	JX FARIA BROTHERS ALTAGRONK (4)-ET	840003135124429	99K	100	C	11JE1339			70	1321	0.09	81	0.08	63	684	643	550	560	2.89
G	JX FARIA BROTHERS MESSI (5)-ET	840003124526297	80K	100	C	200JE913			76	1425	0.13	95	0.07	65	710	670	580	532	2.88
G	PROGENESIS COMPLETELY-ET	124 109902120	99K	100	C	200JE1116			71	1619	0.03	83	0.03	63	672	649	598	575	3.02
G	JX AARDEMA HALL (4)	840003009544067	99K	100	F	1JE1073			72	1033	0.15	80	0.08	55	683	639	538	550	2.83
G	JX AHLEM FRISCO (5)	USA 074067720	99K	100	C	29JE4033			76	1318	0.04	70	0.08	62	671	630	536	520	2.87
G	JX FARIA BROTHERS ALTARICHT (5)-ET	840003135124426	99K	100	C	11JE1338			72	1022	0.19	86	0.11	58	678	628	514	537	2.85
G	JX FARIA BROTHERS BILL RUSSELL (4)	840003135124397	99K	100	F	29JE4068			72	1456	0.04	77	0.01	53	647	625	577	556	2.78
G	JX FARIA BROTHERS TOM BRADY (5)-ET	840003135124336	99K	100	F	97JE159			71	1263	0.09	76	0.04	53	668	638	571	564	2.83
G	JX FARIA BROTHERS JACKSON (5)-ET	840003135124481	99K	100	C	200JE1123			70	930	0.22	88	0.09	52	695	654	560	550	2.93
G	OAKLANE DAZZLER DISCO 2127-ET	USA 067742127	99K	100	F	7JE1528			75	510	0.14	54	0.05	28	673	646	585	583	2.79
G	JX FARIA BROTHERS ED REED (4)-ET	840003135124300	99K	100	F	7JE1603			72	1111	0.17	88	0.03	45	669	645	593	578	2.88
G	JX PINE-TREE EUSEBIO SHOCK (5)-ET	USA 067731322	99K	100	F	14JE1606			72	1177	0.14	83	0.08	59	649	610	521	511	2.98
G	CAL-MART BARRICADE	USA 067384455	99K	100	F	29JE4044			75	469	0.23	68	0.11	40	645	596	483	559	2.75
G	SHAN-MAR LEMONHEAD KINGSTON-ET	USA 067460159	50K	100	F	14JE760			75	272	0.30	74	0.13	37	671	620	502	548	2.87
G	JX FARIA BROTHERS ALTANOWITZKI (4)	840003135124160	99K	100	F	11JE1334			72	1681	-0.08	64	0.00	59	644	618	564	516	2.65
G	JX FOREST GLEN HARRIS HALT (5)	USA 067578752	99K	100	F	29JE3989			76	1506	0.00	72	0.03	60	637	605	534	488	2.75
G	JX FARIA BROTHERS ALTAMCGAHEE (4)	840003135124228	99K	100	F	11JE1340			70	1429	0.00	67	0.02	55	625	597	535	519	2.70
G	JX MEIER LEONEL PALMER (4)	USA 067179059	99K	100	F	551JE1651			75	1011	0.16	80	0.05	48	642	609	533	524	2.86
G	JX FARIA BROTHERS CALVIN HARRIS (4)	840003124526356	99K	100	F	14JE704			75	1445	-0.03	61	0.03	55	606	578	518	513	2.74
G	JX FARIA BROTHERS ALTAGIANNIS (4)	840003135124175	99K	100	F	11JE1345			72	1163	0.06	70	0.07	55	633	597	515	510	2.88
G	DP NXLEVEL-ET	USA 119095209	80K	100	F	200JE1035			76	1059	0.12	76	0.08	54	629	596	518	526	3.08
G	CAL-MART PILGRIM TAD	USA 067294424	99K	100	F	1JE944			76	953	0.09	65	0.09	54	635	594	499	544	2.99
G	DUTCH HOLLOW MIGHTY-ET	840003131737628	99K	100	F	29JE4079			73	597	0.22	71	0.14	48	637	581	454	495	2.79
G	JX AHLEM HARRIS RAZARRI (5)	USA 067823001	99K	100	F	11JE1308			76	2021	-0.09	77	0.01	73	618	595	544	447	2.91
G	JX FARIA BROTHERS POGBA (4)	840003126052088	99K	100	F	7JE1505			75	791	0.16	69	0.10	48	598	557	462	546	2.96
G	JX SEXING VALIDATE 60883 (5)-ET	840003010364630	13K	100	F	551JE1643			76	1801	-0.04	79	0.00	64	641	618	568	480	2.79
G	JX SEXING DAYBREAK CHICO (6)-ET	840003132349950	99K	100	F	551JE1668			76	1141	-0.02	50	0.06	53	605	573	498	494	2.94
G	JX FARIA BROTHERS FELTON (5)	840003135124089	99K	100	F	200JE1119			72	1167	-0.05	45	0.03	49	605	579	520	515	2.87
G	JX ABS CHAPMAN (4)-ET	840003135245979	99K	100	F	29JE4078			71	1050	0.01	53	0.05	48	614	581	507	529	2.80
G	JX FARIA BROTHERS IGNATIUS (4)-ET	840003135124349	29K	100	F	97JE175			71	922	0.08	60	0.06	46	599	566	489	508	2.89
G	JX PROGENESIS MILEAGE (6)-ET	124 109960135	99K	100	F	200JE1112			71	1836	-0.08	73	0.00	65	633	612	567	477	2.85
G	JX FARIA BROTHERS PITBULL (4)-ET	840003124526352	99K	100	C	14JE705			76	874	0.12	64	0.03	37	640	616	563	537	2.82
G	RIVER VALLEY CIRCUS CRAZE-ET	USA 075341001	99K	100	F	200JE10001			76	829	0.07	53	0.01	32	632	618	587	565	2.90
G	JX CLOVER PATCH HARRIS HAWK (5)	USA 119814400	99K	100	F	7JE1607			76	1974	-0.08	78	0.00	71	593	569	515	436	2.86
G	JX GENERATIONS TRADITION (5)-P	USA 067289342	99K	100	F	29JE4045			76	1693	-0.07	68	0.02	64	594	568	512	442	2.87
G	JX HEARTLAND HARRIS MAGLIO (5)	USA 119531794	99K	100	F	1JE963			75	1385	0.02	69	0.05	58	616	581	503	503	2.77
G	JX AHLEM HARRIS BALTAZAR (5)-ET	USA 074067612	99K	100	F	29JE4008			77	1271	-0.04	53	0.02	50	588	565	514	502	2.87
G	JX CAL-MART DINERO (4)	USA 067384551	99K	100	C	29JE4086			75	886	0.09	61	0.04	41	625	595	529	520	2.79
G	CAL-MART CHISEL DREW 4462-ET	USA 067384462	99K	100	F	7JE1545			74	925	0.17	79	0.08	49	652	613	526	471	2.89
G	JX FARIA BROTHERS ISAAH THOMAS (5)	840003126052327	99K	100	F	7JE1561			75	1213	0.10	76	0.06	55	620	586	510	484	2.88
G	RIVER VALLEY CHARLEY CHEDDAR-ET	840003133234557	99K	100	F	7JE5069			73	1227	0.10	78	0.05	53	621	595	534	516	3.02
G	AHLEM CHILI CHARMER	USA 074067595	99K	100	F	29JE4009			76	709	0.14	63	0.09	44	607	566	472	497	2.85
G	JX RIVER VALLEY BELLA BOOM (6)-ET	840003133234632	29K	100	F	7JE5075			71	1110	0.00	55	0.04	49	578	550	487	507	2.93
G	JX CRESCENT VOLCANO GRANT (6)	USA 067295728	50K	100	F	14JE754			76	951	0.08	60	0.04	42	586	561	505	503	2.93
G	PROGENESIS MAGNUS-P-ET	CAN 109862276	99K	100	F	200JE1075			75	1257	0.01	61	0.02	47	574	555	514	499	2.90
G	RIVER VALLEY CHARLEY CHANGE UP-ET	840003126479215	99K	100	C	200JE10010			76	676	0.12	57	0.06	36	624	594	526	508	2.87
G	SCHOENE KUH MOOFASA-ET	USA 119734375	99K	100	F	200JE1107			73	1222	0.10	77	0.07	57	604	573	501	473	3.07
G	JX OOMSDALE GEMMA HARRIS GANYA (5)-	USA 067235865	99K	100	F	29JE4026			75	1039	0.10	70	0.07	51	621	586	507	472	2.92
G	FOREST GLEN KALAHARI	USA 067650122	99K	100	F	29JE4073			74	609	0.09	48	0.10	42	584	545	455	495	3.01
G	SEXING PILGRIM TUX 60328-ET	840003010364075	80K	100	F	203JE1637			76	528	0.14	52	0.04	29	591	568	514	598	2.95
G	JX MFW RULLOFF (5)-ET	USA 119720002	99K	100	F	200JE1106			72	1728	-0.03	77	0.03	67	578	554	498	432	3.00
G	JX FOREST GLEN LUMINARY (5)	USA 067650025	99K	100	F	29JE4056			76	1881	-0.21	45	-0.05	55	563	560	560	479	2.86
G	JX FARIA BROTHERS MOSS (4)-ET	840003135124498	99K	100	F	200JE1124			72	1312	0.06	74	0.01	49	585	569	534	497	3.04
G	JX BW COUNTDOWN (5)-ET	840003131148667	99K	100	F	551JE1667			76	1246	-0.06	48	0.02	49	574	549	494	481	2.82
G	CAL-MART CHILI LARS	USA 067294430	99K	100	F	1JE946			75	527	0.08	41	0.08	36	576	538	449	522	2.78
G	JX FARIA BROTHERS ALTACORREA (6)	840003135124503	99K	100	C	11JE1335			72	1490	0.02	76	0.02	57	588	565	514	448	2.92
G	HILLVIEW LISTOWEL-P	USA 067333440	99K	100	F	200JE1045			77	1115	-0.01	50	0.03	46	581	556	501	500	2.87
G	JX AHLEM BOUDREAUX STORMCLOUD (4)-	USA 074067679	99K	100	F	7JE1540			75	1051	0.05	62	0.02	43	596	578	535	496	3.01
G	TOG ALTABLITZ-ET	840003126218629	99K	100	F	11JE1320			76	1149	-0.05	43	-0.01	40	586	570	538	497	2.80
G	JX RIVER VALLEY BELLVO (6)-ET	USA 075341133	99K	100	F	200JE10026			75	1092	0.05	61	0.09	57	568	528	434	424	2.95
G	JX FARIA BROTHERS PORTIS (5)-ET	840003135124282	99K	100	F	7JE1601			72	1190	0.02	61	0.05	53	587	556	484	466	2.88
G	JX CAL-MART HARRIS SILAS (5)	USA 067294362	99K	100	F	97JE145			76	1054	0.11	71	0.08	53	598	560	474	464	2.91
G	TOG ALTAFFIRM-ET	840003135087308	99K	100	F	11JE1323			75	1046	0.01	52	0.05	48	577	547	478	453	2.91
G	JX FOREST GLEN MONUMENT SULLY (6)	USA 119889365	99K	100	F	97JE165			73	1006	0.04	55	0.03	40	604	581	531	523	2.81
G	FOREST GLEN BANCROFT TATE	USA 067650143	99K	100	F	29JE4087			72	958	0.03	51	0.02	37	571	554	518	545	2.91
G	JX PROGENESIS HIPSTER (5)-ET	124 012311713	99K	100	F	200JE1110													

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PL	LIV	DPR	CCR	HCR	EFI	JPI	Type Hrds	Type Daus	Type REL	FS	ST	SR	DF	RA	RW	RL	FA	FU	RH	RWU	UC	UD	TP	TL	RTP RV	RTP SV	JUI
4.6	0.7	-0.6	0.0	1.6	6.6	204	0	0	73	1.0	0.6	0.1	0.3	L0.9	-0.2	S0.4	S0.4	1.0	0.8	0.2	0.8	S1.3	C0.5	0.0	C0.6	C0.2	14.5
4.4	-0.4	-0.2	0.1	1.4	3.3	202	0	0	69	1.0	1.6	0.5	0.1	H0.6	0.7	P0.2	S0.8	2.2	0.7	0.0	0.1	S3.3	C0.1	S0.3	0.0	C0.3	23.9
5.0	-0.9	-1.4	-0.4	1.6	7.5	200	0	0	76	1.1	0.2	0.4	0.6	L0.1	0.2	P0.4	S0.4	0.8	0.5	0.5	0.3	S0.7	C0.2	0.0	0.0	C0.2	8.2
7.8	1.9	2.0	3.2	4.5	7.4	199	0	0	75	1.4	0.5	0.3	0.6	H1.2	0.9	P0.5	S0.9	2.5	0.8	0.5	0.0	S1.7	C1.6	S0.3	C0.6	C0.2	19.4
5.3	-1.0	-0.7	0.2	3.2	5.6	198	0	0	70	0.7	0.6	0.0	0.9	L0.9	-0.1	S0.4	L0.1	0.0	0.8	0.6	0.1	0.0	0.0	L0.3	C0.5	C0.2	2.1
4.8	-1.7	-2.8	-2.2	0.2	7.2	197	0	0	75	1.1	0.6	0.4	0.5	L0.4	0.3	P0.5	S0.6	1.2	1.1	0.3	0.1	S1.4	W0.2	L0.9	C0.4	C0.2	11.3
5.1	-0.9	-0.3	0.2	1.8	7.7	195	0	0	73	1.0	-0.2	0.0	1.3	L1.0	-0.2	S0.1	L0.3	0.1	1.6	0.9	1.0	D0.3	W0.6	L0.2	C0.6	C0.3	6.0
5.9	0.3	-0.5	0.3	2.6	8.1	195	0	0	73	1.0	0.5	0.9	0.6	L0.9	0.5	S0.2	0.0	0.6	0.2	0.4	1.1	D0.2	C1.7	S0.3	C0.4	0.0	8.3
5.9	-0.7	-1.3	-1.4	-0.2	8.7	192	0	0	77	1.2	-0.3	0.5	0.5	H0.6	0.5	P0.7	S0.9	1.9	1.2	0.3	0.6	S1.4	C0.4	L0.7	W0.1	C0.1	16.5
4.3	-1.1	-0.9	-1.0	0.0	6.4	192	0	0	72	0.8	0.8	0.5	0.4	L0.4	0.4	P0.3	S0.4	1.0	1.0	0.3	-0.2	S1.7	W0.3	L0.6	C0.6	0.0	11.0
4.7	0.5	-0.3	0.8	3.9	6.4	192	0	0	71	1.0	1.1	0.3	0.7	L0.4	0.0	S0.2	S0.2	0.6	0.8	0.5	0.5	S1.3	C0.3	L0.5	0.0	B0.1	11.2
5.6	1.0	0.2	0.6	0.6	5.7	191	0	0	70	1.0	0.0	0.4	0.0	L0.3	-0.2	P0.1	S0.1	1.1	0.8	0.0	0.5	S0.9	C0.3	L0.6	C0.2	C0.4	10.6
6.3	0.2	-0.8	-0.1	-0.2	4.8	191	0	0	69	1.4	1.9	0.9	1.1	L0.8	1.0	P0.3	S0.2	0.9	0.9	0.9	0.4	S1.4	W0.5	S0.7	W0.1	C0.6	13.4
9.9	2.6	1.5	2.2	2.5	8.6	190	0	0	75	1.8	0.7	0.1	1.1	H1.2	0.6	P0.7	S1.3	3.1	1.1	0.8	0.9	S3.0	C1.7	S0.4	C0.9	C0.9	31.5
5.5	0.4	0.3	0.8	1.8	5.8	188	0	0	72	1.5	1.0	0.8	0.9	L0.7	0.2	S0.3	S0.3	0.9	1.2	0.6	0.8	S0.9	C1.1	L0.6	C0.6	B0.1	13.3
4.7	-0.6	-1.3	-0.7	0.1	6.8	187	0	0	73	0.9	-0.2	0.1	0.6	L0.2	-0.4	S0.5	L0.3	0.9	1.2	0.5	0.5	S0.3	C0.7	L0.2	C0.4	C0.1	9.6
6.1	-1.0	1.2	2.2	3.1	6.9	187	0	0	75	1.1	1.2	0.2	0.6	L0.5	0.6	P0.3	S0.9	1.7	1.3	0.5	-0.3	S1.8	C0.4	S0.2	W0.2	C0.6	16.0
6.3	1.6	0.5	-0.1	1.5	8.2	187	0	0	75	1.7	0.6	0.1	0.8	H0.2	0.4	P0.2	S1.2	2.0	1.0	0.6	0.8	S1.7	C1.2	L0.6	C1.5	C0.6	19.6
6.1	-0.6	-1.1	-0.3	1.5	6.4	186	0	0	72	0.7	0.6	0.6	0.3	H0.4	0.6	P0.6	S0.8	1.5	0.3	0.2	-0.1	S1.4	C0.3	L0.3	W0.3	0.0	10.9
5.4	-1.4	-2.0	-1.2	0.2	7.6	183	0	0	76	1.2	0.5	0.3	1.3	L0.3	0.1	S0.3	0.0	0.5	1.5	1.0	0.7	S0.3	C0.2	L0.9	W0.5	B0.5	8.3
5.9	-0.6	-0.4	0.9	2.8	4.7	183	0	0	68	0.5	-0.4	0.5	-0.5	L0.1	-0.1	P0.2	S0.2	0.8	0.0	-0.4	0.8	S0.4	0.0	L0.4	0.0	C0.1	6.5
5.4	0.2	-0.6	0.3	2.1	6.7	183	0	0	74	1.0	1.2	0.9	0.3	H0.1	0.5	P0.3	S0.3	1.7	0.8	0.2	0.1	S1.8	C0.6	L0.4	C0.6	B0.2	15.5
4.7	-0.7	-0.4	0.9	2.0	6.3	182	0	0	75	0.8	-0.1	-0.2	0.7	H0.4	0.0	P0.5	S0.5	1.2	0.9	0.5	0.4	S0.8	C0.4	L0.1	C0.1	C0.6	11.3
5.6	0.3	-0.7	0.2	2.9	6.1	182	0	0	72	1.3	0.7	1.3	0.6	H0.7	1.4	P0.2	S0.8	1.9	0.3	0.4	0.5	S0.5	C2.2	S0.1	C0.3	C0.7	13.4
5.6	-0.6	-0.2	0.9	2.1	7.8	181	0	0	76	1.2	0.8	-0.1	1.3	L0.9	0.2	0.0	L0.4	0.0	1.3	1.0	0.9	S0.5	W1.0	S0.2	C0.2	C0.4	8.3
5.9	2.0	1.1	1.9	2.9	8.1	181	0	0	76	0.8	1.7	1.3	0.6	L0.6	0.8	S0.7	S0.1	0.7	0.3	0.5	0.7	S0.1	C0.4	L0.4	C0.4	C0.5	5.9
6.0	-0.9	-0.4	-1.3	2.4	9.2	181	0	0	75	1.0	0.4	0.7	0.2	H0.3	0.9	P0.8	S0.5	1.3	-0.3	0.2	0.5	S1.2	C1.4	S0.2	C1.2	C0.4	12.4
3.8	-1.6	-3.5	-3.2	-1.0	8.4	180	0	0	77	1.6	2.0	0.9	1.5	H0.3	0.9	S0.1	S0.7	1.2	1.5	1.1	0.5	S1.0	C0.9	L0.1	C0.6	B0.3	14.9
4.0	-0.2	1.5	2.2	5.1	5.5	180	0	0	72	0.6	1.0	0.1	0.7	L0.6	0.2	S0.7	S0.2	0.1	0.4	0.5	0.9	S1.1	W0.2	L0.8	C0.6	C0.4	8.3
4.7	-0.7	-3.0	-1.9	1.4	7.7	179	0	0	75	1.3	-0.1	0.9	1.1	H0.9	0.7	P0.6	S0.5	0.6	0.8	0.8	1.0	D0.5	C0.3	L0.9	W0.4	B0.1	4.5
6.5	0.9	-0.2	0.0	2.6	8.7	178	0	0	76	1.0	-0.6	-0.7	0.5	L0.3	-0.4	P0.4	S0.3	0.6	1.0	0.4	0.5	S1.4	W0.3	S0.4	0.0	B0.1	12.8
7.8	0.9	0.9	1.3	0.6	6.9	178	0	0	72	1.5	-0.4	0.0	0.4	L0.6	-0.1	P0.7	S0.1	1.3	1.7	0.3	0.5	S1.8	W0.8	S0.5	W0.1	C0.2	17.9
6.9	-0.4	0.7	1.8	3.6	6.4	178	0	0	71	1.4	0.8	1.0	1.0	H0.3	0.8	P0.1	S1.1	1.5	1.2	0.7	0.5	S1.1	C0.8	L0.5	C0.1	B0.1	14.6
5.3	1.6	0.5	0.8	2.2	7.3	178	0	0	72	1.1	0.5	0.4	0.1	L0.3	0.1	P0.2	S0.4	1.5	1.0	0.1	0.5	S2.2	C0.5	L0.1	C0.2	B0.2	19.1
5.2	-0.3	-2.8	-1.7	1.4	6.8	177	0	0	72	1.2	1.6	0.8	0.9	L0.6	0.4	P0.4	S0.6	1.0	1.3	0.7	0.1	S0.6	W0.6	L0.9	C0.2	0.0	7.2
7.3	2.4	0.2	1.3	1.9	6.5	177	0	0	75	1.5	0.5	0.6	0.0	H0.5	1.0	P1.2	S0.9	2.2	0.9	0.0	0.2	S2.9	C0.8	L0.4	C0.5	C0.3	22.7
8.2	3.9	1.6	1.9	2.8	9.7	177	0	0	76	1.9	1.5	0.2	1.1	H0.1	0.6	S0.1	S0.9	2.3	1.9	0.8	0.7	S2.6	C0.7	L1.0	C0.6	0.0	25.2
3.4	-4.1	-3.4	-2.5	-1.5	8.2	176	0	0	77	1.1	-0.1	-0.2	0.9	H0.1	-0.2	P0.1	S0.1	1.0	1.5	0.7	0.0	S0.9	0.0	L0.2	0.0	0.0	10.5
4.2	-0.6	-2.8	-1.9	0.8	7.6	176	0	0	76	0.7	-0.8	0.1	0.2	H0.5	0.1	P0.3	S0.6	1.2	0.5	0.2	0.7	S1.0	C0.9	L0.1	C0.7	0.0	12.9
4.4	-0.5	-0.8	0.3	2.5	7.1	176	0	0	75	0.4	0.7	0.5	0.4	L0.9	0.3	S0.1	S0.7	0.3	0.5	0.3	0.1	S0.1	W0.3	L0.5	W0.2	B0.5	1.9
5.9	0.5	0.1	0.9	2.2	8.3	176	0	0	77	1.2	0.0	-0.2	0.9	H0.3	-0.2	S0.2	S0.4	1.1	1.6	0.6	1.2	S1.3	W0.2	L1.1	C0.9	B0.5	15.8
6.8	1.4	0.1	0.9	1.9	7.3	176	0	0	74	1.4	0.8	0.4	0.4	H0.2	0.0	P0.2	S0.7	1.6	1.6	0.3	0.3	S1.8	W0.1	L0.5	0.0	C0.2	17.0
7.1	-0.4	-2.5	-1.4	1.3	7.8	175	0	0	74	0.8	-0.2	0.1	0.6	L0.4	0.2	S0.5	S0.1	1.2	0.5	0.5	0.1	S1.0	C0.2	L0.2	W0.1	C0.7	9.6
4.3	-0.5	-1.9	-0.5	0.6	5.8	174	0	0	74	0.8	-1.0	0.1	-0.1	H1.0	0.0	P1.1	S1.0	1.5	0.8	-0.1	0.1	S0.7	W0.1	L0.5	W0.2	C0.3	8.9
5.0	-0.6	-0.4	-0.5	0.7	8.7	174	0	0	75	1.2	0.2	0.4	1.8	L1.0	-0.2	S0.3	S0.1	0.4	1.3	1.4	0.5	D0.4	C0.9	L0.2	C0.8	C0.6	5.7
6.3	-0.7	-0.4	1.5	4.2	9.4	174	0	0	77	1.1	0.5	-0.4	1.5	L0.4	-0.3	S0.5	S0.2	0.1	1.5	1.1	0.5	0.0	C0.2	L0.2	C0.6	0.0	6.2
4.8	0.7	0.7	1.0	1.2	8.4	173	0	0	73	1.2	0.9	-0.1	1.2	L0.1	-0.2	0.0	S0.9	1.2	1.5	0.9	0.4	S1.3	C0.6	S0.2	C0.1	C0.6	15.9
6.1	0.3	0.5	0.9	2.0	8.9	173	0	0	76	1.9	2.0	0.4	1.5	L0.9	0.7	S0.2	S0.4	2.0	1.5	1.1	0.4	S2.1	C1.7	S0.4	C0.8	B0.1	23.5
5.7	-0.5	0.2	1.2	3.6	7.4	172	0	0	75	0.9	0.0	-0.3	1.0	L0.4	-0.5	S0.6	L0.3	0.6	0.8	0.8	0.6	S0.9	C1.1	L0.3	C0.8	B0.1	11.2
8.8	0.3	0.1	0.2	1.9	8.5	172	0	0	76	1.9	1.0	0.2	1.0	H0.2	0.6	P0.3	S1.3	2.1	1.2	0.8	0.6	S2.3	C0.6	S0.1	C1.2	C0.6	22.8
4.5	-0.6	-1.6	-0.6	0.9	9.1	171	0	0	74	1.2	0.7	0.1	2.0	L0.7	0.3	S0.5	L0.1	0.0	1.3	1.5	1.0	D0.3	W0.1	S0.1	C0.1	C0.4	6.2
6.3	-0.5	-1.6	-1.4	1.3	7.1	170	0	0	75	1.5	1.2	1.3	0.6	L0.2	1.0	P0.7	S1.1	1.9	1.1	0.5	0.7	S1.6	C0.8	L0.7	C0.1	0.0	18.1
7.5	-0.3	0.8	2.1	2.3	6.2	170	0	0	72	1.5	1.0	0.4	0.7	H0.3	0.7	P0.6	S1.0	2.6	1.8	0.5	0.1	S2.3	C1.4	S0.5	C1.3	C0.3	25.4
7.2	2.6	4.5	5.0	3.5	8.3	170	0	0	76	1.0	0.1	0.2	0.2														

# Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI December 2017

ST	Name of Bull	Registration Number	GT	BBR	JH1	NAAB Code	No. Hrds	No. Daus	REL %	% Milk	% Fat	% Fat	% Prot	Prot	CM\$	NM\$	FM\$	GM\$	SCS
G	AHLEM AXIS BANCROFT-ET	USA 073409475	99K	100	F	29JE3991			77	1243	-0.07	44	0.01	45	566	552	521	486	2.98
G	RIVER VALLEY PFEN PROMO-P-ET	USA 075341095	99K	100	F	7JE5071			72	965	0.01	48	0.05	44	561	537	483	500	3.04
G	SHAN-MAR ARCHER KNOCK-OUT-ET	USA 067460152	50K	100	F	14JE758			76	858	0.10	60	0.04	39	557	533	478	477	2.92
G	DODAN DEW-Z DEWEY-ET	USA 119306240	99K	100	F	200JE1053			76	514	0.17	60	0.11	41	574	531	430	456	2.92
G	JX AVI-LANCHE JAVA (5)	840003131651012	99K	100	F	29JE4076			75	1654	0.00	77	0.00	60	540	516	465	423	2.78
G	AHLEM AXIS DAGGAR 22486	USA 073409447	99K	100	F	203JE1620			76	769	0.04	42	0.05	39	576	545	474	445	2.81
G	CDF IRWIN STEVE	840003006436334	80K	100	C	11JE1259			76	755	0.18	73	0.06	39	571	543	480	442	2.97
G	JX LEGENDAIRY MONEYBAG (5)	USA 119392427	99K	100	F	200JE1065			76	1753	-0.12	58	0.01	64	520	503	464	399	3.03
G	JX PROGENESIS TELLME (6)-ET	124 109792995	99K	100	F	200JE1101			75	987	0.06	59	0.03	41	534	510	457	444	2.83
G	JX SUN VALLEY JOLT (5)	USA 119282711	99K	100	F	200JE1058			76	1369	0.05	75	0.07	61	538	505	430	392	3.00
G	MFV ALTACHIVE-ET	USA 119691058	99K	100	F	11JE1326			76	1181	-0.09	39	0.03	47	504	486	444	454	3.05
G	TOG JAVIER S743 8117-ET	840003136807511	29K	100	F	137JE5030			74	268	0.20	53	0.13	36	541	488	367	425	2.72
G	ISDK VJ ADELGAARD HIHL HIWE	DNK 000304155	50K	100	F	236JE220			70	-594	0.50	72	0.22	22	561	490	324	494	2.78
G	PROGENESIS MALARKEY-ET	CAN 109793000	99K	100	F	200JE1100			71	1138	0.01	55	0.01	42	548	532	496	426	2.89
G	AHLEM GENOMINATOR MOONBEAM	USA 067823232	99K	100	F	7JE1577			76	492	0.14	51	0.05	28	528	500	437	444	2.81
G	RIVER VALLEY DISCIPLE-P-ET	840003133234486	99K	100	F	7JE5064			73	1360	-0.09	46	-0.01	46	531	513	477	425	2.73
G	VERJATIN WESTSTAR-ET	CAN 109411770	99K	100	F	200JE1064			76	950	0.06	58	0.05	43	538	510	445	449	2.87
G	PROGENESIS HARDWORKER-ET	CAN 012302927	99K	100	C	200JE1060			76	1476	-0.05	59	0.01	54	519	500	459	380	2.89
G	HEARTLAND AXIS SUNBURST-ET	USA 067372759	80K	100	F	7JE1462			76	963	0.04	54	0.08	50	532	495	410	396	2.91
G	PROGENESIS HARLEM-ET	CAN 012302933	99K	100	C	200JE1061			76	1304	-0.06	49	-0.01	43	509	497	471	410	2.83
G	JX FARIA BROTHERS LUDA (4)-ET	840003012575889	80K	100	C	200JE1026			77	805	0.17	73	0.07	42	548	523	464	471	3.11
G	AHLEM DAYBREAK GENTLEMAN	USA 067823237	99K	100	F	29JE4057			76	865	0.01	42	0.01	34	528	511	473	399	2.85
G	SUNSET CANYON DAKARAI	USA 118866150	29K	100	F	147JE6224			74	383	0.28	73	0.10	34	505	465	373	426	2.89
G	JX FARIA BROTHERS TUPAC (4)	840003124526365	80K	100	F	1JE919			75	1858	-0.09	70	-0.03	60	504	495	477	385	2.93
G	JX FANELLI CHRISTTY (5)-P-ET	USA 119728475	29K	100	F	97JE157			73	579	0.10	48	0.07	36	520	487	410	403	2.87
G	PINE-TREE DAYBREAK POLICY-ET	USA 067771245	99K	100	F	97JE155			75	398	0.15	48	0.05	25	509	488	438	423	2.98
G	AHLEM AXIS COMANCHE-ET	USA 073409554	99K	100	F	1JE928			77	1496	-0.12	47	-0.03	47	508	499	483	388	2.85
G	AHLEM FORMIDABLE WICHITA 22978	USA 074067763	99K	100	F	7JE1537			76	1190	-0.04	46	0.03	47	504	485	441	424	2.97
G	JX ALL LYNNS VIEWPOINT (6)-P-ET	USA 119547724	99K	100	F	29JE4048			74	676	0.15	63	0.07	38	507	476	403	364	2.93
G	FOREST GLEN PREMIUM GOLD	USA 067609471	99K	100	F	97JE150			75	495	0.25	72	0.09	36	547	515	439	442	3.07
G	ISDK VJ OSTERGAARD HJERN HOVE	DNK 000303987	50K	100	F	236JE207			69	-408	0.48	72	0.18	19	519	463	332	486	2.84
G	JX SUNSET CANYON SPLASHED (5)	USA 119306361	99K	100	C	200JE1059			75	1681	-0.01	77	0.00	58	508	491	456	352	2.88
G	RIVER VALLEY NBRAZIL SAXXON-P-ET	840003133234518	29K	100	F	202JE604			72	1171	-0.02	51	0.01	44	502	481	436	386	2.78
G	RIVER VALLEY FERNLEAF FORT-ET	USA 075341034	99K	100	F	200JE10017			76	888	0.02	46	0.01	32	490	477	448	451	2.84
G	ISDK VJ HAVDAL LAPPE DEE (6)	DNK 000304164	50K	100	F	236JE224			72	-903	0.58	68	0.24	12	530	461	300	450	2.83
G	JX FARIA BROTHERS COURTOIS (5)	840003126052036	99K	100	F	200JE1047			76	1545	-0.02	69	0.03	61	475	447	383	329	2.85
G	RIVER VALLEY LANI LIFT-OFF-ET	840003126479129	99K	100	F	777JE10005			76	1464	-0.12	45	-0.05	41	470	467	464	371	2.78
G	AVI-LANCHE MALCOM (4)-P	840003131651479	99K	100	F	97JE166			72	904	0.05	52	0.03	41	508	478	411	390	2.75
G	JX AHLEM BRUNO (5)-ET	USA 074067613	13K	100	F	551JE1654			76	907	0.04	51	0.02	36	480	462	423	392	2.90
G	JX ROC-BOT DURABLE (5)	USA 075211001	99K	100	F	200JE1057			76	424	0.08	36	0.07	29	506	478	411	401	2.93
G	ISDK VJ DROSTRUPGAARD LUSAKA	DNK 000304035	50K	100	F	236JE171			73	56	0.33	68	0.13	28	540	493	385	458	2.84
G	JX PROGENESIS TIGNISH (6)-ET	124 012302929	99K	100	C	200JE1062			75	1134	-0.01	52	-0.01	37	490	479	456	396	2.80
G	BW BRAVEHEART-ET	840003126536276	13K	100	F	551JE1656			76	550	0.16	58	0.08	34	526	500	439	405	3.11
G	SUNSET CANYON MOTIVATION	USA 119241794	99K	100	F	29JE4013			76	500	0.08	39	0.07	31	491	459	385	432	2.77
G	ISDK VJ HAUGSTEDGAARD HJERN HOJ (6)	DNK 000303972	50K	100	F	236JE165			71	-170	0.27	43	0.15	21	489	438	322	441	2.75
G	JX KASH-IN STEIN (5)-P-ET	840003132715669	99K	100	F	7JE1567			76	1357	0.02	68	0.05	58	488	457	385	349	2.88
G	ALL LYNNS SANTANA VANDANA-ET	USA 119035887	99K	100	F	203JE1627			76	899	0.02	47	0.06	44	516	483	410	328	2.86
G	SCENIC VIEW ASTUTE-P-ET	USA 067359183	99K	100	F	91JE5822			73	1128	-0.03	47	-0.02	37	488	478	458	406	2.84
G	JX WILSONVIEW SWORD MULTIPLY (6)-ET	USA 119465110	99K	100	F	97JE152			73	957	0.03	51	-0.01	32	488	479	461	421	2.89
G	AHLEM VMAN DYNAMITE-ET	USA 067823576	99K	100	F	250JE1616			72	707	0.03	39	0.03	32	500	475	421	374	2.80
G	TOG ERIC P739 7922-ET	840003133371285	29K	100	F	137JE4740			74	43	0.21	43	0.12	26	498	450	340	388	2.73
G	SUN VALLEY JIVE	USA 119191044	80K	100	F	200JE1039			76	811	0.09	59	0.07	41	487	461	399	361	3.03
G	ALL LYNNS VAST-ET	USA 118981925	99K	100	F	200JE1034			78	1159	-0.09	36	-0.01	40	452	443	425	431	3.04
G	RIVER VALLEY CDIXIE DETOUR	840003013097965	80K	100	F	7JE5022			76	1066	-0.13	25	-0.03	34	442	437	426	433	2.95
G	JX PROGENESIS TOTALLY (6)-ET	124 012302897	99K	100	C	200JE1049			72	769	0.04	45	0.01	29	482	468	437	373	2.84
G	SUNSET CANYON VIRGINIAN	USA 118775027	80K	100	F	29JE3949			76	254	0.16	44	0.09	25	496	467	398	453	2.96
G	RIVER VALLEY SAFARI SLY (6)-ET	840003126479080	99K	100	F	200JE10015			74	39	0.30	61	0.11	23	495	457	369	392	2.91
G	ELLIOTTS REGENCY CASINO-ET	840003125141657	50K	100	F	14JE725			75	265	0.08	26	0.10	28	471	437	357	399	2.96
G	JX OOMSDALE CONNER (4)-ET	USA 067235830	80K	100	F	200JE1033			76	1141	-0.02	47	0.00	41	476	462	429	364	2.91
G	ISDK VJ ALSTRUP HICKEY HAMA	DNK 000303968	50K	100	F	236JE178			71	-112	0.27	48	0.13	20	506	468	379	490	2.98
G	RIVER VALLEY SAL STRIKER-ET	840003013097975	80K	100	F	7JE5020			78	1456	-0.09	50	-0.02	48	461	454	439	331	2.99
G	JX RIVER VALLEY RUTH RIG (5)-P-ET	USA 075341077	99K	100	F	200JE10019			75	1038	-0.05	39	-0.01	35	426	417	398	371	2.90
G	MIDWAY ALL DAT SPLASH	USA 119635537	99K	100	F	7JE1546			77	521	0.17	59	0.07	32	490	462	398	386	2.96
G	JX FARIA BROTHERS HEINSOHN (4)-P	840003135124096	99K	100	F	1JE978			76	946	0.03	50	-0.01	31	498	490	474	445	2.91
G	ISDK VJ DONGSGAARDEN HALEY	DNK 000304129	50K	100	F	236JE213			71	53	0.29	59	0.11	22	456	414	318	386	2.73
G	PINE-TREE KWYNN CUATRO-ET	USA 067731388	29K	100	F	566JE104			75	152	0.13	33	0.08	21	404	372	298	350	2.82
G	PINE-TREE PHARO 1ST DYNASTY-ET	USA 075191049	99K	100	F	7JE1516			77	931	-0.06	31	-0.02	28	461	458	452	456	2.93
G	JX RIVER VALLEY RUTHLESS (5)-P-ET	840003126479169	99K	100	F	200JE10002			76	1188	-0.03	50	-0.02	39	445	437	419	374	2.92
G	JX SEXING GFRAPP GOLDEN (4)-P-ET	840003010364640	13K	100	C	551JE1653			74	867	-0.02	36	0.05	42	427	405	353	328	3.14
G	BW PAXTON-ET	USA 119446229	99K	100	F	551JE1649			76	556	0.07	41	0.04	29	426	404	354	344	2.92
G	JX FARIA BROTHERS MATIC (5)	840003126051953																	

# Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI December 2017

PL	LIV	DPR	CCR	HCR	EFI	JPI	Type Hrds	Type Daus	Type REL	FS	ST	SR	DF	RA	RW	RL	FA	FU	RH	RWU	UC	UD	TP	TL	RTP RV	RTP SV	JUI
6.6	2.1	0.2	1.3	2.0	9.6	161	0	0	78	1.4	0.7	-0.5	1.4	L1.0	-0.2	P0.6	S0.8	1.2	2.2	1.1	-0.1	S0.7	C0.6	S0.5	C1.1	B0.4	13.6
6.0	1.5	1.1	2.3	2.5	8.8	161	0	0	74	1.3	2.1	0.8	1.4	L0.3	0.9	0.0	S1.3	1.6	1.7	1.0	0.1	S1.7	C0.5	S0.2	C0.6	C0.3	18.1
5.0	0.7	0.6	-0.4	0.1	8.6	161	0	0	76	1.6	1.5	0.4	1.3	H0.3	0.7	P0.1	S1.4	2.1	0.9	1.0	0.6	S2.2	C1.6	L0.3	C0.9	C0.3	22.2
6.0	0.5	0.0	-0.2	0.3	8.9	160	0	0	77	1.5	1.1	0.9	1.4	L0.3	0.8	S0.1	S0.2	1.3	1.4	1.1	0.5	S0.8	C0.5	0.0	C0.3	C0.1	13.7
2.3	-3.5	-1.9	-2.5	-0.4	5.9	159	0	0	74	1.0	-0.9	0.8	0.4	H0.8	0.3	P0.8	S0.2	0.9	0.8	0.3	0.9	D0.4	C0.1	L0.8	W0.2	B0.4	5.2
8.1	1.9	-0.5	-0.3	1.6	9.3	158	0	0	77	1.6	2.5	0.4	0.6	L1.3	0.8	P0.6	S0.9	2.1	1.8	0.4	-0.4	S2.5	W0.4	S0.5	W0.1	C0.2	20.6
5.9	0.0	-1.5	-0.7	2.8	9.4	158	0	0	77	1.5	1.3	0.1	1.3	L1.2	-0.1	S0.3	0.0	0.9	1.2	1.0	0.5	S0.7	C0.8	S0.3	W0.2	C0.6	12.4
3.6	-1.2	-2.3	-1.9	1.0	8.0	156	0	0	76	1.0	-0.6	0.1	0.9	0.0	-0.4	P0.4	S0.4	0.5	1.0	0.7	0.8	S0.4	W0.1	L0.3	W0.2	C0.1	8.4
4.9	-0.1	-0.5	0.8	3.3	8.1	156	0	0	76	1.3	0.9	0.6	0.9	H0.3	0.5	S0.4	S0.2	1.5	1.0	0.7	0.6	S1.3	C0.1	L0.6	W0.2	B0.2	14.3
2.4	-2.0	-3.1	-1.6	0.1	7.1	155	0	0	76	1.4	0.4	1.3	1.0	H0.1	0.5	P0.3	S0.8	1.3	0.7	0.8	0.9	S0.3	C1.0	L0.8	W0.3	C0.1	10.5
5.9	-1.5	0.7	2.0	3.6	9.5	155	0	0	76	1.5	0.9	0.1	0.9	H0.4	0.6	P0.5	S0.9	1.9	1.8	0.7	0.8	S2.2	C0.8	L0.2	W0.3	C0.1	23.8
5.4	0.6	-0.1	1.0	3.6	6.4	155	0	0	73	0.2	0.3	-0.1	0.2	L0.9	-0.1	S0.9	S0.1	0.4	0.0	0.2	-0.1	S0.4	C0.6	S0.2	0.0	C0.9	3.7
4.4	-1.3	2.5	2.0	2.5	2.1	154	0	0	64	-0.3	0.9	0.2	-0.3	L0.9	0.1	P0.7	S0.5	0.0	-0.4	-0.2	-0.2	S2.0	W0.8	L0.7	W0.5	C0.8	5.0
6.6	0.7	-1.4	-0.4	1.2	7.1	153	0	0	72	1.1	1.5	0.0	0.8	L1.0	-0.1	S0.4	S0.4	1.4	1.9	0.6	-0.5	S2.0	W0.8	S0.8	W0.1	C0.2	16.3
6.8	-0.1	0.4	1.1	3.6	8.8	153	0	0	76	1.4	1.0	0.3	0.6	L0.3	0.4	P0.3	S0.3	2.0	1.4	0.5	0.5	S2.3	C0.2	S0.5	C1.2	C0.1	22.7
5.8	0.3	-1.0	-0.1	2.1	8.6	152	0	0	74	1.5	1.9	0.8	1.4	L0.5	0.9	0.0	S0.8	1.2	1.4	1.1	0.4	S1.0	C0.8	L0.5	C0.2	C0.1	13.4
6.1	-2.5	0.2	0.5	0.2	8.8	151	0	0	76	1.6	1.4	0.6	1.6	0.0	0.7	S0.1	S0.4	1.0	1.5	1.2	0.2	S0.4	C0.2	S0.1	C0.1	B0.1	9.9
4.0	0.6	-2.8	-1.2	1.3	8.6	150	0	0	76	1.3	0.4	0.4	1.5	H0.5	0.4	S0.1	0.0	0.9	0.4	1.1	0.3	S0.4	C0.3	L0.5	C0.5	C0.3	6.3
4.8	0.9	-1.6	-0.6	1.5	8.6	150	0	0	76	1.2	1.3	0.6	1.6	L1.9	0.2	S0.6	S0.2	-0.1	0.9	1.2	0.7	D0.6	C0.9	S0.6	0.0	C0.2	4.4
5.2	0.3	-1.0	-0.9	1.2	8.8	150	0	0	76	1.3	0.1	0.1	1.1	H0.4	0.1	P0.3	S0.7	1.7	0.8	0.8	0.6	S1.7	C0.4	S0.2	C0.5	C0.3	17.8
4.4	0.9	0.3	1.3	1.3	6.8	150	0	0	75	0.8	1.4	0.8	0.8	0.0	0.7	S0.2	S0.7	1.1	0.4	0.6	0.3	S0.1	C1.3	L0.3	C1.0	C0.3	7.0
7.1	2.3	-1.5	-1.4	2.6	10.1	149	0	0	77	1.5	0.1	-0.4	0.8	L0.2	-0.1	P0.6	S0.7	1.7	1.8	0.6	0.5	S2.3	C0.5	0.0	C0.8	B0.5	22.5
2.8	-1.4	0.1	0.4	1.5	5.2	149	0	0	73	0.0	-0.4	-0.7	0.5	L0.4	-0.7	S0.5	L0.4	-0.1	0.1	0.4	0.3	S1.1	W0.4	S0.4	W0.1	C0.7	6.3
2.6	-1.2	-2.8	-1.7	0.9	7.0	148	0	0	75	0.6	-0.3	0.0	0.3	L0.2	0.1	0.0	0.0	0.2	0.5	0.2	0.8	D0.2	W0.5	L0.4	W0.2	C0.4	2.8
5.7	1.0	-0.7	-0.6	0.2	7.8	147	0	0	72	1.7	0.8	0.7	0.8	H0.5	1.0	P0.5	S1.1	2.8	2.0	0.6	0.1	S1.7	C1.7	S0.2	C1.1	B0.2	23.7
6.7	1.4	-0.1	1.0	3.2	7.8	147	0	0	75	1.2	-0.2	-1.3	1.4	H0.1	-0.3	S0.2	S0.6	1.1	1.5	1.1	0.9	S1.9	W0.2	S0.7	C0.2	C0.2	20.1
5.9	0.9	-1.8	-1.0	1.8	9.1	146	0	0	77	1.7	2.2	0.9	1.7	L0.6	0.6	S0.4	S0.4	1.0	1.3	1.3	0.2	S1.3	C0.7	S0.9	C0.6	B0.6	15.3
5.2	0.2	0.0	0.6	1.1	8.4	146	0	0	76	1.2	1.5	0.8	0.6	L1.0	0.7	P0.2	S0.9	1.1	1.4	0.5	1.2	S1.4	W0.3	L1.0	W0.3	B0.2	15.8
4.3	-1.1	-2.8	-1.5	2.4	6.9	146	0	0	74	2.0	1.2	0.5	1.7	L0.1	1.0	P0.3	S0.3	2.1	2.1	1.3	0.4	S2.5	C0.9	L0.2	C0.7	C0.1	25.2
6.3	-2.3	-0.4	0.6	-0.2	7.5	146	0	0	75	1.4	1.1	0.3	1.1	L0.3	0.5	P0.3	S0.5	0.8	1.4	0.8	0.6	S1.0	C0.5	L0.2	C1.0	B0.1	13.1
3.5	0.7	3.0	4.0	2.5	1.4	146	0	0	62	-0.9	0.5	-0.6	-0.5	L0.1	-0.5	S0.6	L0.5	-1.2	-1.4	-0.3	-0.6	S1.2	W0.7	S1.2	W1.0	C0.2	-3.0
2.6	-3.2	-4.0	-3.4	-1.1	7.0	145	0	0	75	1.1	0.2	0.3	0.9	L0.4	-0.2	P0.4	S0.3	0.8	1.3	0.7	0.8	S0.1	C0.2	L0.9	W0.5	C0.3	8.1
4.5	-0.1	-1.6	-1.2	0.9	8.6	145	0	0	73	1.7	1.6	0.3	1.5	H0.2	0.5	S0.1	S0.5	1.7	1.8	1.1	0.0	S1.3	C0.1	L1.1	W0.1	0.0	13.9
5.5	0.9	1.7	1.3	0.6	8.5	145	0	0	77	1.0	0.4	-0.1	0.7	L0.9	-0.2	S0.2	S0.3	0.9	1.1	0.5	1.1	S0.9	C0.9	L0.6	C1.4	B0.1	13.9
5.1	0.6	1.5	4.0	4.0	1.9	145	0	0	65	-1.3	-0.7	-0.2	-0.8	L0.7	-0.6	0.0	S0.3	-0.1	-0.8	-0.6	0.4	S1.3	C0.7	S0.4	W0.5	C0.3	6.4
1.3	-4.4	-3.6	-3.5	-1.5	6.9	144	0	0	75	1.1	-0.1	0.3	0.4	H0.5	0.2	P0.8	S0.2	1.6	1.6	0.3	0.1	S1.2	C0.4	L1.3	W0.6	B0.3	12.9
5.4	-0.7	-1.9	-0.3	2.6	9.1	144	0	0	76	1.5	0.6	-0.2	1.2	H0.5	0.2	S0.2	S0.6	1.8	0.5	0.9	0.4	S2.5	C1.2	S0.1	C0.9	B0.5	21.0
5.2	-1.1	-1.2	-0.6	1.3	7.7	144	0	0	73	1.4	1.7	0.9	1.1	H0.3	1.1	P0.6	S0.4	1.7	1.3	0.8	0.3	S1.3	0.0	L0.3	C0.1	B0.3	14.8
4.9	0.3	-0.6	-0.1	1.7	8.1	144	0	0	75	1.3	0.2	0.3	0.5	H0.4	0.5	S0.2	S0.6	2.0	1.0	0.3	1.1	S2.1	C1.3	L0.6	C0.9	B0.5	22.7
7.3	2.3	-0.3	1.0	3.2	9.9	144	0	0	77	2.1	1.8	0.7	1.2	L0.5	1.0	P0.1	S0.7	2.2	1.9	0.9	0.9	S2.7	C0.6	S0.1	C0.8	C0.5	27.8
4.9	0.8	1.2	1.4	1.7	4.1	144	0	0	70	-0.6	-0.5	-0.2	0.1	L1.4	-0.3	S0.6	L0.2	-1.2	-0.1	0.0	0.4	D0.6	C0.5	L0.6	W0.3	C0.6	-5.2
5.1	0.0	-0.9	-0.4	0.0	8.4	143	0	0	76	1.6	1.7	0.6	0.9	L0.4	0.4	S0.3	S0.7	2.1	1.3	0.6	0.8	S2.7	C0.2	L0.8	W0.5	B0.2	23.6
6.9	-0.6	-1.1	-0.6	0.2	9.2	143	0	0	76	1.7	0.0	-0.3	1.4	L0.3	-0.5	S0.1	L0.1	1.8	2.3	1.1	-0.2	S1.8	C0.8	0.0	C0.5	0.0	19.5
6.0	1.2	1.5	2.7	3.2	7.8	143	0	0	76	1.0	1.4	1.1	0.5	L0.6	0.6	S0.5	S0.2	1.4	0.8	0.4	0.4	S1.2	C0.4	L0.7	C0.2	B0.4	12.4
5.1	0.7	2.2	3.8	2.8	2.5	143	0	0	67	0.1	1.0	0.2	0.2	H0.5	0.6	P0.3	S0.4	0.7	0.2	0.1	0.0	S2.6	W0.6	S0.8	W0.6	C0.2	14.7
2.0	-2.5	-2.9	-2.5	1.5	7.2	142	0	0	76	0.5	1.2	0.7	0.4	H0.2	0.4	P0.2	S0.3	0.6	0.2	0.3	0.0	S0.7	W0.3	L0.6	W0.4	C0.4	4.1
5.9	0.7	-3.8	-2.7	1.0	8.5	141	0	0	76	1.4	1.2	-0.1	1.5	H0.7	0.5	P0.6	S0.6	1.8	1.7	1.1	0.0	S2.0	W0.4	L0.7	0.0	0.0	17.0
5.6	0.5	-0.3	-0.2	1.7	8.1	140	0	0	74	1.7	2.6	1.2	1.5	L0.6	1.1	0.0	S0.5	1.9	2.2	1.1	0.1	S1.9	C0.3	S0.2	C0.5	C0.5	20.9
5.3	0.8	-0.3	1.3	3.1	8.0	140	0	0	74	1.3	-0.9	0.1	0.5	H0.8	0.0	P0.7	S0.5	2.0	1.5	0.3	0.2	S1.2	C0.2	L0.3	C0.9	C0.3	15.5
7.4	-1.2	-1.3	-0.6	-0.6	9.2	140	0	0	74	2.2	0.2	0.2	0.8	H0.8	0.7	P0.8	S1.1	3.5	2.5	0.6	-0.1	S2.9	C0.6	S0.2	C0.7	C0.1	30.2
6.0	0.7	0.0	0.5	3.2	7.3	140	0	0	73	0.6	1.2	-0.2	0.5	L0.5	0.5	P0.3	S0.7	1.0	0.3	0.4	0.2	S1.7	C0.4	0.0	C0.1	C0.9	12.6
4.6	-0.9	-2.1	-1.6	2.5	8.0	139	0	0	76	2.0	2.0	1.2	1.6	L0.3	1.3	P0.4	S1.2	2.1	1.4	1.2	1.2	S1.5	C1.5	L0.1	C1.0	C0.2	22.9
4.5	1.8	1.5	2.3	3.0	8.5	137	0	0	78	0.7	0.8	-0.4	0.0	L0.3	0.3	P0.4	S0.7	1.4	0.7	0.0	0.0	S1.8	W0.6	0.0	W0.2	C0.5	13.1
6.1	1.6	2.2	3.7	2.5	8.1	137	0	0	77	1.0	0.9	-0.4															

# Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI December 2017

ST	Name of Bull	Registration Number	GT	BBR	JH1	NAAB Code	No. Hrs	No. Daus	REL %	% Milk	% Fat	% Fat	% Prot	Prot	CM\$	NM\$	FM\$	GM\$	SCS
G	SEXING NITRO LOTUS 61355-ET	840003010365102	80K	100	F	203JE1618			76	467	0.00	21	0.04	24	417	397	350	405	2.88
G	GRAZELAND LEMONHEAD DEVINCI	USA 119413681	99K	100	F	224JE2480			75	785	0.06	49	0.00	29	427	416	392	360	2.92
G	ALL LYNNIS NIKON VALERGO-PP	USA 119288203	99K	100	F	11JE1294			76	743	0.12	60	0.07	40	436	412	354	267	3.14
G	DP IATOLA PUZZLES PRIDE-ET	USA 119444245	99K	100	F	250JE1534			76	839	0.01	40	0.01	31	436	425	400	359	2.93
G	TOG ZORRO-PP-ET	840003125202110	13K	100	F	54JE626			75	-181	0.27	45	0.09	12	447	413	336	360	2.82
G	COVINGTON ANTONIO-ET	USA 073796034	80K	100	F	200JE1024			75	-629	0.38	44	0.15	7	405	362	260	351	2.97
G	PROGENESIS HILLMAN	CAN 109266057	99K	100	F	200JE1074			76	587	0.06	40	0.00	23	414	402	375	347	2.88
G	JX JER BEL LION {5}	USA 118992941	80K	100	F	200JE1027			76	779	-0.05	27	0.00	27	411	400	376	322	2.83
G	ZIMM ALTAMERLIN	USA 067097790	99K	100	F	11JE1310			76	715	0.05	44	0.02	30	390	374	336	271	2.90
G	OOMSDALE ANIECE NIKON ADAM-P-ET	USA 067235833	99K	100	F	91JE5694			76	447	0.16	53	0.05	25	408	388	343	249	3.00
G	AHLEM BALIN-ET	USA 072520700	80K	100	F	200JE1014			77	-104	0.13	19	0.02	0	359	350	330	329	2.90
G	ISDK VJ RONHOLM HICKEY HIAN {6}	DNK 000303933	50K	100	F	236JE167			70	-132	0.16	25	0.14	20	379	336	234	357	2.86
G	BLUE MIST MEGABUCK-ET	USA 118769453	80K	100	F	200JE1012			76	74	0.19	41	0.06	14	358	338	291	324	2.99
G	ST-LO NUANCE-ET	CAN 109541955	99K	100	F	200JE1089			72	-205	0.15	20	0.04	1	369	351	309	297	2.78
G	DUTCH HOLLOW SANTANA CASE-PP-ET	840003131737417	29K	100	F	54JE636			75	1029	-0.08	33	0.01	37	355	345	322	214	2.98
G	LAMARIA WILBERT-ET	CAN 109960092	99K	100	F	551JE1693			73	593	0.07	43	0.02	24	356	343	314	238	2.92
G	SUNNYDAWN OLYMPIAN	GBR 000055862	8K	100		224JE2370			72	88	0.12	27	0.06	14	334	309	252	280	2.78
G	MULTI-ROSE CREDIBULL COMET-PP-ET	840003014373525	13K	100	F	54JE625			75	775	0.04	44	0.02	31	328	317	291	243	3.04
G	SUNSET CANYON SPARKY MEGLADON	USA 119018886	13K	100	F	97JE142			75	528	0.06	36	0.04	27	333	317	281	243	3.06
G	ISDK VJ HOEHOLT PICK PEREZ {6}	DNK 000304130	50K	100	F	236JE212			73	-641	0.38	43	0.20	16	331	271	129	238	2.86
G	ISDK VJ RODME NYGAARD RODME	DNK 000303952	50K	100	F	236JE169			70	-189	0.26	41	0.11	12	311	278	202	287	2.83
G	ALL LYNNIS VERNON MACARTHUR-ET	USA 118612153	80K	100	F	202JE601			76	232	0.17	46	0.07	22	339	320	272	295	3.14
G	HILMAR SPARKY ATLAS {5}-ET	USA 119268647	29K	100	F	100JE7367			78	395	0.06	31	0.04	23	287	271	234	234	3.06
G	DUPAT CHARLEMAGNE 521-ET	840003127607540	29K	100	F	44JE532			75	1296	-0.14	33	-0.07	31	270	283	314	209	3.02
G	HOMETOWN IRWIN ATTRACTION 83A	CAN 011879369	80K	100	F	91JE5592			76	681	-0.03	26	0.02	26	280	269	245	184	2.94
G	BW VALENCIA-ET	840003126536268	13K	100	F	551JE1657			75	345	0.09	35	0.01	15	289	282	265	154	3.02
G	GOLDEN DOMINATE-ET	CAN 012344082	99K	100	F	94JE4062			76	371	0.07	30	0.03	17	251	240	215	180	2.97
G	DUPAT BRIER 476-ET	USA 067163476	13K	100	C	44JE529			76	1336	-0.14	35	-0.01	45	248	240	222	170	2.97
G	RIVER VALLEY VICTORIOUS-ET	840003126479524	99K	100	F	7JE5032			77	-102	0.13	20	0.07	10	230	207	153	140	2.91
G	JX DUPAT PLUS 473 {4}	USA 067163473	13K	100	C	44JE527			74	1157	-0.11	32	-0.03	35	206	204	202	180	2.98
G	DUPAT BRIER 474-ET	USA 067163474	13K	100	C	44JE528			75	1265	-0.12	38	-0.02	41	249	243	230	173	2.98
G	S & B PT MARVEL MY GUY-ET	USA 067110855	8K	100	F	566JE101			75	567	-0.02	23	0.01	22	266	257	236	159	2.93
G	BUTTERCREST SAVVY	USA 118695189	80K	100	F	7JE1409			75	429	-0.01	18	-0.04	8	234	245	272	206	3.12
G	SPRUCE-H CHRIS-PP-ET	USA 067106207	8K	100	C	202JE602			75	2	0.18	34	0.03	5	219	211	193	102	3.01
G	RIVER VALLEY RICKI ROCKSTAR	840003126479237	99K	100	F	200JE10009			75	-552	0.17	5	0.06	-9	183	168	134	156	2.92
G	BW ARMISTICE-ET	USA 117795635	50K	100	C	44JE521			78	-86	0.09	13	0.03	3	109	103	86	97	3.11
G	AUDIBEL NOTEBOOK-ET	CAN 110059221	99K	100	F	551JE1694			72	28	-0.01	-2	0.04	7	109	105	93	103	3.18
G	RIVER VALLEY JOYRIDE-ET	840003126479085	99K	100	C	200JE10011			76	-208	0.09	7	0.07	4	86	73	41	37	3.14
G	ENNISKILLEN ENGINEER 401	CAN 012038719	99K	100	F	224JE2479			76	-745	0.22	8	0.07	-14	142	132	106	129	3.12
G	HOMETOWN MERCHANT ANDRETTI-ET	CAN 011295001	50K	100	C	91JE5453			77	583	0.04	36	0.02	25	100	90	67	36	3.09
G	COVINGTON MILAD TRISTRAM-P	USA 118541332	80K	100	F	566JE102			75	-661	0.21	11	0.08	-8	92	72	24	36	2.96
G	BW ATLAS-ET	USA 117799901	50K	100	F	44JE520			78	597	0.00	28	-0.03	15	75	82	100	-14	3.07
G	ROYALTY RIDGE MB FULL THROTTLE	USA 118534918	80K	100	F	147JE6221			75	-813	0.15	-10	0.07	-16	104	90	58	72	2.98
G	GOLDEN TOPEKA DRAGON-ET	CAN 011664219	80K	100	F	91JE5591			76	-584	0.22	15	0.05	-10	67	59	37	-12	3.13
G	PLEASANT NOOK WR HG VENUE	CAN 011950642	80K	100	F	91JE5604			75	-1496	0.37	-2	0.15	-24	18	-13	-88	53	3.07
G	RIVER VALLEY VENUS V I P-ET	840003126479167	99K	100	F	200JE10003			75	-1058	0.18	-17	0.07	-25	-7	-16	-38	-2	3.09
G	TRIPLE-T-CF MR SWAGGER-ET	840003128791561	99K	100	F	7JE1605			76	-1636	0.30	-21	0.13	-33	-43	-64	-117	-37	3.15
G	COLTON FLAME FIREMAN	USA 118155636	99K	100	F	94JE4004			76	-984	0.17	-16	0.09	-19	-48	-61	-94	-66	3.10
G	PLEASANT NOOK WR TEQUILAS VENOM-ET	CAN 011950641	80K	100	F	91JE5603			74	-1872	0.40	-12	0.18	-31	-167	-198	-280	-185	3.26
G	J-KAY TEQUILA FIZZ	USA 067060052	99K	100	F	7JE1486			75	-1172	0.17	-25	0.06	-31	-213	-214	-220	-255	3.16
G	PAYNESIDE GAME CHANGER	CAN 011830110	99K	100	F	94JE4029			75	-1152	0.14	-28	0.05	-33	-285	-279	-270	-276	3.26

## Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI December 2017

PL	LIV	DPR	CCR	HCR	EFI	JPI	Type Hrds	Type Daus	Type REL	FS	ST	SR	DF	RA	RW	RL	FA	FU	RH	RWU	UC	UD	TP	TL	RTP RV	RTP SV	JUI
5.2	2.7	2.7	2.8	1.4	9.2	124	0	0	77	1.4	1.6	0.3	0.3	H0.7	0.6	P0.5	S1.5	1.9	0.5	0.2	0.5	S2.6	C0.8	L0.8	C0.5	C0.5	20.0
5.0	-0.5	0.1	0.2	-0.6	8.7	121	0	0	76	1.6	2.5	0.8	1.3	L0.1	1.1	0.0	S0.8	1.4	1.1	1.0	0.7	S1.6	C1.9	L0.1	C1.8	C0.2	19.1
3.5	-0.4	-3.9	-4.0	-1.2	9.0	120	0	0	77	2.2	1.5	0.7	1.7	H0.1	1.2	S0.3	S0.5	1.9	2.4	1.3	1.0	S2.7	C0.1	L0.9	C0.9	0.0	26.5
5.2	1.0	-0.3	0.0	0.5	9.0	120	0	0	76	1.5	1.1	0.3	0.9	H0.8	0.6	P0.9	S1.2	1.3	0.7	0.7	0.6	S2.2	W0.3	L1.5	0.0	C0.3	15.0
6.1	1.1	0.5	0.4	1.4	8.0	118	0	0	74	1.1	1.1	0.4	0.4	H0.2	0.2	P0.1	S1.2	1.2	1.0	0.3	0.8	S2.4	W0.1	L0.4	C0.6	0.0	19.1
4.6	0.1	1.1	2.3	3.0	6.2	117	0	0	75	1.0	-0.7	-0.6	0.6	H0.4	-0.3	S0.1	S0.5	1.7	1.6	0.4	0.5	S2.4	C0.4	0.0	C0.8	B0.6	22.2
5.3	0.7	-0.1	0.3	2.3	9.7	116	0	0	76	1.3	0.0	-0.1	1.0	L0.2	0.0	P0.2	S0.5	1.4	1.3	0.7	0.1	S0.9	C0.7	0.0	C0.4	C0.9	12.8
7.1	1.0	-0.4	0.1	2.2	7.9	111	0	0	76	1.0	2.2	0.2	0.7	H0.5	0.7	P0.2	S0.6	1.6	0.9	0.5	-0.3	S1.9	W0.3	L0.5	0.0	C0.6	13.1
4.3	-0.2	-1.8	-3.3	-0.8	9.4	109	0	0	76	1.7	2.5	0.9	0.7	L1.3	1.2	0.0	S0.8	2.3	2.0	0.5	0.1	S2.7	C1.3	L0.2	W0.1	C0.8	25.6
4.4	1.0	-3.4	-3.7	-0.8	8.7	108	0	0	76	2.0	1.8	0.5	1.5	0.0	1.0	P0.4	S0.9	1.8	1.6	1.1	0.7	S2.8	C1.0	S0.9	C0.9	0.0	27.4
6.3	2.7	1.6	0.8	1.7	9.0	107	0	0	77	2.4	1.8	-1.1	1.6	H0.7	0.4	P0.3	S1.4	2.8	2.3	1.2	1.4	S3.8	C1.1	L0.1	C1.5	B0.2	37.8
6.2	-1.0	3.1	3.3	3.7	2.0	106	0	0	65	-1.1	-1.4	-0.5	-0.8	L0.7	-0.9	S0.7	L0.5	-1.0	-0.8	-0.6	0.0	D0.2	W0.9	L0.2	W0.3	C0.2	-7.4
3.5	0.4	1.2	0.8	-0.2	7.1	106	0	0	76	1.6	1.5	-0.4	1.2	L0.2	0.1	S0.3	S0.5	1.8	1.4	0.9	0.4	S2.4	C0.5	S0.2	0.0	C0.5	22.1
6.9	2.2	0.3	0.6	1.4	8.6	105	0	0	73	2.6	2.6	0.3	1.3	H0.9	1.5	P0.5	S1.7	3.8	2.1	1.0	0.7	S4.5	C1.2	L0.1	C1.0	C0.3	40.6
4.4	0.3	-3.4	-3.5	1.2	8.6	99	0	0	75	1.4	1.0	0.2	0.8	0.0	-0.3	S0.3	S0.2	1.6	1.6	0.6	0.1	S1.9	W0.1	L1.2	0.0	B0.3	15.6
3.5	0.1	-2.5	-2.8	-0.1	9.2	97	0	0	74	2.0	2.9	0.5	1.3	0.0	1.0	P0.7	S1.3	2.5	1.7	1.0	0.2	S3.0	C0.2	L0.4	0.0	C0.3	25.5
4.5	-0.6	0.4	1.1	1.9	6.4	97	0	0	72	0.9	-0.4	-0.4	-0.2	H0.8	0.1	P0.5	S0.4	1.2	1.1	-0.1	0.3	S1.9	W0.1	L0.2	0.0	C0.5	15.5
2.1	0.0	-1.7	-1.6	0.2	7.2	95	0	0	75	0.7	0.0	0.0	0.2	L0.2	0.2	S0.4	S0.1	1.3	1.3	0.2	0.0	S1.7	W0.2	L0.3	C0.3	B0.7	14.0
4.0	0.3	-1.2	-1.9	1.9	9.2	95	0	0	76	1.1	1.4	0.1	0.1	L1.2	0.7	P0.4	S0.5	1.2	0.2	0.1	0.3	S2.7	C0.6	0.0	C0.9	C1.0	18.0
1.6	-0.6	-0.1	-0.4	-1.3	4.1	94	0	0	70	-0.4	0.3	-0.2	-0.5	H0.4	0.5	P0.5	S0.6	1.4	-0.4	-0.4	-0.6	S2.8	W0.5	S0.2	W0.9	C0.8	12.8
2.6	-1.2	1.3	2.5	3.0	1.9	94	0	0	64	-0.2	0.5	0.2	-0.5	L0.6	-0.2	S0.1	S0.1	0.4	-0.3	-0.4	0.3	S1.7	C0.2	L0.6	W0.6	C0.5	8.4
3.1	0.7	0.7	0.8	0.0	6.1	92	0	0	75	0.2	-0.2	-0.3	0.0	L0.1	-0.4	S0.3	0.0	0.2	0.0	0.0	-0.2	S0.6	C0.1	S0.1	W0.3	C0.4	2.8
2.3	-0.1	-0.6	-0.2	2.0	10.1	87	0	0	78	1.1	0.4	-0.2	1.2	L0.8	0.3	P0.3	S0.7	0.7	0.6	0.9	0.8	S1.0	C2.3	L0.3	C0.9	C1.0	13.7
2.8	-0.9	-1.7	-2.2	0.9	9.5	84	0	0	76	1.1	1.2	-0.3	1.1	L1.2	0.4	S0.1	0.0	1.1	0.6	0.8	-0.3	S2.1	C1.4	S0.4	C0.4	C0.5	15.5
3.3	-0.9	-1.9	-3.0	-0.1	9.1	84	2	2	78	1.5	0.9	-0.8	1.4	L0.4	-0.8	S0.3	L0.3	1.0	2.0	1.1	-0.2	S1.3	C0.2	S0.6	C1.0	C0.4	14.4
4.3	-0.6	-3.5	-4.0	-0.3	8.5	83	0	0	75	2.1	-0.2	-0.6	1.5	H0.8	0.0	P0.6	S0.1	2.7	2.0	1.2	0.1	S3.3	C1.3	S1.2	C0.7	C0.4	31.8
3.0	-1.8	-1.8	-0.2	2.0	8.0	77	0	0	76	1.6	0.8	0.5	0.8	H0.2	0.3	P0.1	S0.7	2.3	1.4	0.6	0.6	S2.0	C1.7	S0.1	C0.5	C0.1	23.8
1.5	-3.5	-1.8	-2.1	-1.7	8.8	74	0	0	76	0.5	0.9	0.4	0.5	L0.3	0.3	S0.3	L0.7	-0.2	0.4	0.3	-0.1	D1.1	C0.8	L0.5	C0.5	C0.1	-4.6
3.8	-2.2	-1.5	-2.2	-0.1	7.9	72	0	0	77	2.0	1.3	0.2	1.0	H0.5	0.6	P1.1	S0.7	2.8	2.0	0.7	0.7	S3.1	C1.8	S0.5	C1.1	B0.3	32.9
-0.2	-4.5	-0.8	-1.5	-2.3	5.4	71	0	0	73	0.8	0.5	-0.7	0.9	H0.5	0.1	P0.3	0.0	0.6	1.7	0.6	-0.3	S0.8	C0.3	L0.8	C0.6	B0.2	7.7
1.3	-2.0	-1.6	-1.5	-1.9	8.3	70	0	0	76	0.3	1.3	0.6	0.5	L1.2	0.2	S0.8	L1.2	-1.0	0.4	0.4	0.4	D1.4	C0.2	L0.8	C0.5	C0.1	-7.5
4.5	0.0	-2.2	-1.6	0.3	8.0	69	2	3	77	0.6	-0.9	-0.8	0.3	H0.2	-0.5	P0.1	L0.3	0.5	0.4	0.2	-0.7	S0.6	W0.6	S0.1	0.0	C0.4	1.9
4.5	1.9	0.1	0.1	1.1	8.3	64	0	0	76	1.7	1.4	-0.5	1.7	H0.1	0.3	P0.5	S0.3	1.0	2.0	1.3	0.6	S1.4	C0.8	S0.1	C1.3	C0.2	18.0
3.2	1.1	-3.3	-1.9	1.3	8.9	56	0	0	76	1.2	-0.3	-0.2	1.4	H0.9	0.1	S0.3	L0.3	0.8	1.2	1.1	1.0	S1.0	C0.2	S0.2	C1.6	B0.5	14.5
5.3	0.9	1.1	1.3	2.1	7.0	51	0	0	75	1.4	2.2	0.5	0.3	H0.9	1.3	P0.5	S0.6	2.5	1.0	0.2	0.7	S3.5	C1.1	L0.4	C1.0	B0.8	28.9
1.5	-0.6	0.2	0.6	-0.6	8.6	34	0	0	78	1.1	0.1	-0.5	0.9	L0.4	-0.4	S0.3	S0.1	0.9	1.2	0.6	0.3	S0.9	C0.6	S0.5	C1.0	C0.6	12.5
2.6	1.3	0.9	0.3	1.1	8.2	32	0	0	73	1.5	1.4	0.8	1.1	L0.1	0.7	P0.5	S0.8	0.9	1.2	0.8	0.7	S0.8	C1.5	S0.6	C0.9	0.0	14.9
0.9	-1.5	-1.6	-2.0	1.3	7.6	29	0	0	76	2.2	1.8	0.2	1.5	H0.3	0.7	P1.0	S1.1	2.1	2.5	1.1	0.5	S2.8	C0.8	L0.1	C1.0	B0.4	27.9
4.4	2.1	1.6	0.7	-0.8	7.7	27	0	0	76	1.1	0.7	0.2	0.2	H0.4	0.5	P0.7	S0.9	1.9	0.9	0.2	0.0	S2.1	C0.5	S0.3	W0.2	C0.4	18.3
-2.1	-2.9	-2.4	-3.4	-2.2	8.6	24	0	0	78	0.3	1.5	0.2	1.2	L1.1	0.0	P0.4	L0.3	-1.0	0.4	0.9	-0.3	D1.0	W1.0	L0.3	C0.7	C0.8	-9.1
1.6	0.1	-1.0	-1.0	1.4	8.8	23	0	0	76	1.7	0.9	0.8	1.1	H0.9	0.9	0.0	S0.8	2.0	1.3	0.8	0.7	S1.0	C1.8	S0.2	C0.8	B0.4	19.0
0.1	-1.9	-3.8	-3.4	-1.7	8.8	19	0	0	79	0.7	0.6	-0.2	1.5	L1.0	-0.4	S0.9	L0.9	0.0	1.1	1.1	-0.3	S0.1	W0.2	S0.5	C0.2	C0.4	2.9
5.2	3.5	1.2	0.5	1.5	7.3	16	2	2	77	0.9	0.5	0.9	-0.5	H0.7	0.8	P0.9	S0.7	2.0	0.1	-0.3	0.5	S1.8	C0.7	L0.9	C0.5	C0.3	15.4
2.6	-2.8	-2.7	-2.3	-0.6	8.1	12	0	0	77	2.1	1.4	-0.1	1.5	L0.8	0.3	P0.7	S1.2	2.4	2.5	1.2	0.7	S2.8	C1.2	0.0	C0.7	0.0	30.2
1.1	0.5	2.7	3.2	0.5	5.4	0	0	0	75	1.0	1.2	0.5	-0.1	H1.4	1.0	P0.6	S1.1	1.9	0.1	0.0	-0.6	S2.0	C1.1	S0.5	C0.5	B0.1	14.5
2.0	3.4	1.1	0.8	1.0	4.7	-1	0	0	74	1.2	2.0	-0.2	0.3	H0.8	0.6	P0.1	S0.8	2.4	1.6	0.3	1.0	S3.7	W0.1	L0.6	C0.4	B0.8	30.4
2.0	3.1	1.3	1.2	2.4	6.6	-10	0	0	75	1.1	1.7	-0.5	0.0	H0.5	0.1	0.0	S0.8	2.6	1.3	0.0	0.6	S4.1	C0.1	L0.1	C0.8	B1.0	31.4
1.1	1.6	-0.2	-0.3	1.3	6.7	-15	2	3	77	1.4	1.9	1.1	0.9	H0.7	1.2	P0.8	S0.7	2.1	1.4	0.6	0.6	S2.4	C1.4	L0.1	C1.1	B0.9	24.4
-0.6	-1.5	-0.4	-0.5	-0.5	4.2	-59	2	2	74	1.1	2.7	0.8	-0.3	H0.1	0.8	P1.3	S1.1	1.8	0.5	-0.3	0.2	S3.1	W0.4	L1.2	C0.8	B0.3	18.6
1.2	-0.9	-2.3	-1.7	0.1	5.0	-71	0	0	74	1.0	1.9	0.6	0.3	H1.0	1.0	P0.5	S0.3	1.6	1.0	0.2	0.9	S2.5	C0.5	L1.4	C0.5	B0.7	20.2
-0.6	-1.3	-1.0	-1.6	0.0	4.4	-87	0	0	73	1.0	1.4	0.7	-0.2	L0.1	0.2	P1.0	S0.3	1.4	0.5	-0.2	0.5	S2.4	W0.1	L0.7	C0.5	B0.6	16.7