

# Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI August 2019

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	JX KASH-IN GOT JIGGY (6)-ET	840003138463636	99K	100	F	551JE1717	76	1347	0.05	74	0.04	57	695	661	594	557	2.71		
G	JX CDF JLS PILGRIM THRASHER (6)-ET	840003006436075	99K	100	F	507JE1758	76	1275	0.00	61	0.03	52	679	654	602	616	2.88		
G	JX FOREST GLEN GOT MAID DANIEL (6)-ET	USA 067650254	99K	100	F	14JE1683	75	1651	-0.06	65	0.01	62	641	616	564	488	2.75		
G	JX AVI-LANCHE VICEROY DASHIELL (6)-ET	840003131412772	99K	100	C	7JE1722	76	1260	0.07	75	0.06	57	700	668	600	584	2.97		
G	JX PEAK ALTAMONTRA (6)-ET	840003140986383	99K	100	F	11JE1369	76	1342	0.08	80	0.07	62	670	635	558	535	3.00		
G	JX FARIA BROTHERS BUTKUS (4)-ET	840003144724624	99K	100	F	614JE1712	73	827	0.27	94	0.08	47	698	660	578	563	2.90		
G	JX CAL-MART WESTPORT (5)-ET	USA 067374603	99K	100	F	29JE4117	75	633	-0.22	75	0.10	44	672	627	533	537	2.80		
G	JX SEXING GOT MAID PURSUE (4)-ET	840003132353767	99K	100	F	551JE1732	75	1601	-0.02	72	0.02	62	634	605	548	462	2.73		
G	JX FOREST GLEN SUCCESSION (6)-ET	USA 067650295	99K	100	F	7JE1716	75	1570	-0.03	68	0.03	62	644	616	557	496	2.81		
G	JX PVF WC ZINC (5)-ET	USA 119966684	99K	100	F	1JE1074	76	527	0.24	73	0.11	42	657	611	514	527	2.85		
G	JX FARIA BROTHERS URLACHER (6)-ET	840003144724492	99K	100	F	7JE1739	75	996	0.11	70	0.11	59	658	605	494	483	2.74		
G	JX DUPAT JLS STRMCLD DORSAL (5)-ET	840003141725606	45K	100	F	147JE6229	74	1571	-0.02	70	0.00	57	645	627	591	538	2.96		
G	ALL LYNNS LISTOWEL DALTON-P-ET	USA 173175006	99K	100	F	29JE4137	77	1220	0.00	57	0.03	51	621	593	535	559	2.77		
G	JX SUN VALLEY JAYWALK (6)-ET	USA 173324101	99K	100	F	200JE1196	76	1169	0.08	72	0.07	56	631	592	510	475	2.75		
G	DUTCH HOLLOW MIGHTY-ET	840003131737628	99K	100	F	29JE4079	77	837	0.22	85	0.14	58	656	599	477	478	2.82		
G	JX FOREST GLEN GOT MAID BRAZEN (6)-ET	USA 067650294	99K	100	F	7JE1717	75	1705	-0.04	72	0.03	67	610	581	521	455	2.85		
G	JX FOREST GLEN AMSTERDAM (6)-ET	USA 067650245	99K	100	F	7JE1684	75	1676	-0.11	56	0.01	62	598	577	532	485	2.90		
G	JX FOREST GLEN ALTO (6)-ET	USA 067650279	99K	100	F	29JE4119	75	1470	-0.05	60	0.01	56	597	572	523	437	2.77		
G	HILMAR VICEROY MIAMI	USA 172552682	99K	100	F	7JE1657	76	1266	-0.03	53	0.03	51	607	584	535	519	2.90		
G	PINE-TREE DISCO BUBBA-ET	USA 067771710	99K	100	F	551JE1723	75	633	0.08	47	0.05	33	580	553	496	510	2.78		
G	RIVER VALLEY BUTTONS BIONIC-ET	840003133234887	99K	100	F	200JE10045	77	1651	-0.10	56	-0.01	57	594	579	550	508	2.91		
G	JX RIVER VALLEY CHIEF (6)-ET	USA 075341195	99K	100	F	200JE10034	74	1376	0.02	69	0.00	50	590	573	539	485	2.87		
G	JX LOVES OCTAVIUS (6)-ET	USA 172979241	99K	100	F	200JE1159	75	1033	0.16	82	0.11	61	633	586	482	464	3.08		
G	JX PEAK ALTAATHLETE (5)-ET	840003145378375	99K	100	F	11JE1370	75	705	0.10	54	0.10	45	585	542	450	458	2.77		
G	JX AHLEM CRAZE PROTEUS (6)-ET	840003144728355	99K	100	F	507JE1737	73	978	0.10	68	0.04	44	605	579	524	515	2.89		
G	JX FARIA BROTHERS ALTAZIDANE (4)-ET	840003149514358	99K	100	F	11JE1379	76	855	0.11	63	0.07	46	615	579	503	513	2.86		
G	JX PINE-TREE MAYFLOWER (4)-ET	USA 067771792	99K	100	F	7JE1767	76	1178	0.04	64	0.02	47	614	592	547	525	2.86		
G	JX PINE-TREE DECADE (5)-ET	USA 067671553	99K	100	F	200JE1163	77	478	0.16	55	0.09	36	615	576	495	503	2.83		
G	JX FARIA BROTHERS ASENSIO (4)-ET	840003140305961	99K	100	F	551JE1710	77	1041	0.14	79	0.11	60	613	567	466	472	3.01		
G	JX FOREST GLEN GOT MAID TORNADO (6)-ET	USA 067650271	99K	100	F	7JE1685	76	1526	-0.04	65	0.01	56	611	593	554	484	2.91		
G	JX FOREST GLEN BALTAZAR AMORE (6)-ET	USA 067650232	99K	100	F	29JE4105	76	1245	-0.09	41	0.01	47	548	528	489	437	2.81		
G	JX AHLEM WORLD CUP HIDALGO (5)-ET	840003144728322	99K	100	F	14JE1736	76	416	0.14	47	0.09	34	586	549	469	496	2.88		
G	JX LUCKY HILL WHAMBAM (5)-ET	USA 172977801	99K	100	F	200JE1160	78	1464	0.03	75	0.03	58	608	583	530	414	2.90		
G	ALL LYNNS DEMOS-P-ET	USA 173162305	99K	100	F	200JE1178	77	1176	0.01	57	0.02	47	579	556	510	481	2.84		
G	JX WILSONVIEW SKYMAN (6)-ET	USA 173275032	99K	100	F	200JE1184	76	747	0.20	76	0.07	41	624	594	529	531	3.01		
G	AHLEM DIMENSION JIMINY	USA 067823786	99K	100	F	7JE1659	77	182	0.27	63	0.15	36	588	533	418	472	2.75		
G	JX FOREST GLEN FRISCO TODD (6)	USA 067650310	99K	100	C	29JE4126	73	1360	0.01	66	0.05	60	595	563	494	424	2.96		
G	JX ABS HOTLINE (4)-ET	840003141494349	99K	100	F	29JE4093	75	1051	0.13	76	0.09	57	607	567	479	449	3.06		
G	PROGENESIS SKYLER-ET	CAN 012672209	99K	100	F	200JE1132	77	1205	0.16	90	0.01	46	656	639	603	518	2.95		
G	JX PEAK ALTAGRAPPLE (5)-ET	840003147840033	99K	100	F	11JE1382	76	1301	-0.01	60	0.06	60	549	514	440	458	2.98		
G	JX PINE-TREE AROUND (5)-ET	USA 067731469	99K	100	F	1JE1075	76	775	0.16	70	0.11	51	618	573	475	457	3.00		
G	JX LYLESTANLEY ALTAHASHTAG (5)-ET	USA 173297636	99K	100	F	11JE1393	75	855	0.08	58	0.08	48	605	567	485	479	2.90		
G	JX FARIA BROTHERS THANOS (4)-ET	840003149595911	99K	100	F	97JE194	72	1116	0.03	60	0.02	44	574	553	511	489	2.83		
G	JX SCHOENE KUH NOODLE (4)-ET	840003146031915	99K	100	F	614JE1765	76	618	0.20	71	0.10	42	593	556	475	472	3.04		
G	JX AHLEM FRISCO PINE (6)-ET	USA 067823956	99K	100	F	7JE1699	75	588	0.12	52	0.10	42	560	519	431	484	2.93		
G	PROMETEDOR LOOT-ET	USA 067119938	99K	100	F	200JE1138	77	1078	0.19	91	0.11	61	652	610	515	494	3.21		
G	TOG LISTOWEL IROQUOIS-P-ET	840003143160018	99K	100	F	14JE1675	77	1180	0.02	61	0.05	52	603	571	505	441	2.75		
G	JX PROGENESIS MARKUP (5)-ET	124 110879045	99K	100	F	200JE1181	75	1091	-0.03	45	0.03	46	569	541	486	455	2.72		
G	JX PINE-TREE PROTOTYPE (5)-ET	USA 067671699	99K	100	F	200JE1197	74	949	0.10	66	0.06	46	584	549	477	425	2.69		
G	BAR MB CRAZE CASTRO	840003151584695	99K	100	F	14JE1762	74	886	0.09	60	0.03	39	603	581	533	474	2.88		
G	JX JER-Z-BOYZ WINWOOD (5)-ET	USA 173272909	99K	100	F	551JE1751	76	430	0.17	55	0.11	38	589	546	453	487	2.86		
G	JX AVI-LANCHE DISCO METAL (5)-ET	840003131412301	99K	100	F	7JE1694	75	613	0.02	33	0.05	32	550	523	469	491	2.79		
G	JX AHLEM BALTAZAR KIAWA (6)-P-ET	USA 067823735	99K	100	F	7JE1617	76	1213	-0.01	55	0.02	47	545	527	488	437	2.95		
G	JX FARIA BROTHERS AMOS (4)-ET	840003149595399	99K	100	F	200JE1194	72	1137	0.08	71	0.03	47	585	561	513	460	2.90		
G	JX PINE-TREE WORLD CUP PISTOL (5)-ET	USA 067771742	99K	100	F	551JE1738	75	671	0.18	68	0.11	47	598	550	448	460	2.78		
G	JX BW LIGHTNING (6)	USA 173135567	99K	100	F	505JE128	77	1583	-0.12	49	0.01	60	534	513	469	425	2.98		
G	JX AHLEM FRISCO ADAMA (6)	USA 067823967	99K	100	F	7JE1719	74	1177	-0.01	53	0.05	53	574	542	475	426	2.84		
G	JX AHLEM BALTAZAR FIRESTAR (6)-ET	USA 067823730	99K	100	F	7JE1662	77	1175	-0.05	45	0.03	49	536	512	461	466	2.91		
G	JX PEAK ALTAJERICO (5)-ET	840003147839997	99K	100	F	11JE1396	75	987	0.02	52	0.06	48	526	493	424	453	2.87		
G	AHLEM CRAZE JALAPENO 24052-ET	840003144728247	45K	100	F	100JE7412	72	1156	-0.02	51	0.02	46	566	546	504	488	2.92		
G	JX KASH-IN DISCO SUIT (6)-ET	840003138463633	99K	100	F	7JE1707	75	604	0.21	72	0.12	46	599	550	445	427	2.80		
G	PEAK ALTAVICE (6)-ET	840003147839950	99K	100	F	11JE1381	76	1724	-0.07	66	0.00	61	582	566	531	472	2.94		
G	JX ABS TLD CASSELL (5)-ET	840003146074480	99K	100	F	29JE4125	76	1180	0.12	82	0.05	53	597	567	502	441	2.92		
G	VICTORY CRAZE SRIXON (6)	USA 173393305	99K	100	F	7JE1750	73	1009	0.10	69	0.03	43	587	565	517	470	2.91		
G	CAL-MART CHISEL DREW 4462-ET	USA 067384462	99K	100	F	7JE1545	76	1057	0.13	78	0.06	50	606	573	504	437	2.85		
G	JX DUPAT FEVER (5)-P-ET	840003141725612	99K	100	F	7JE1701	76	1129	0.02	57	0.01	43	547	532	500	463	3.00		
G	JX SUN VALLEY JENIUS (5)	USA 172636645	99K	100	F	200JE1164	77	346	0.18	53	0.14	41	560	508	397	464	2.90		
G	PROGENESIS COMPLETELY-ET	124 109902120	99K	100	C	200JE1116	75	1593	0.00	76	0.01	60	585	567	526	477	3.07		
G	OAK LANE COMANCHE COHORT-ET	USA 067742177	99K	100	F	97JE169	77	1128	0.02	58	0.02	44	556	538	501	467	2.95		
G	JX AJ GARNETT GROVER (4)-ET	USA 067443778	99K	100	F	29JE4145	72	1172	0.08	73	0.03	48	603	582	538	495	3.03		
G	AHLEM KWYNN RESPECT-ET	USA 067823687	99K	100	F	7JE1638	77	714	0.15	64	0.05	35	523	495	437	373	2.69		
G	PRIMUS CRAZE STARLORD-ET	840003141725644	99K	100	F	507JE1726	72	858	0.08	58	0.02	34	551	534	501	485	2.86		
G	JX FOREST GLEN RONALDINHO OREGON	USA 067650195	99K	100	F	14JE1625	77	1293	-0.03	56	0.04	54	536	509					

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PL	LIV	DPR	REL	CCR	HCR	EFI	JPI	Type Hnds	Type Daus	Type REL	FS	ST	SR	DF	RA	RW	RL	FA	FU	RH	RWU	UC	UD	TP	TL	RTP RV	RTP SV	JUI
6.0	0.1	-0.8	64	-0.3	2.7	8.8	204	0	0	76	1.3	0.8	0.4	1.5	H0.4	0.4	P0.6	S0.8	1.3	0.9	1.1	0.6	S0.9	C0.3	L0.1	C0.7	C0.3	12.8
7.1	4.0	2.8	64	2.7	3.5	6.7	201	0	0	76	0.8	1.2	1.0	0.5	L0.3	0.8	S0.7	L0.1	0.9	-0.2	0.4	1.0	S0.6	C1.6	L0.2	C1.0	C0.2	10.4
5.8	-0.3	-1.9	62	-1.5	1.7	8.0	196	0	0	75	1.3	-0.3	-0.1	1.2	L0.2	-0.3	P0.3	S0.4	1.1	1.0	0.9	0.9	S0.9	C1.4	S0.1	C1.4	C0.3	15.3
6.2	1.9	0.4	61	1.0	3.4	5.7	196	0	0	76	1.3	1.6	1.3	0.6	L0.2	1.6	S0.2	S0.6	1.8	0.8	0.4	0.1	S1.3	C0.4	L0.4	C0.9	B0.3	13.3
4.7	-1.0	-1.1	65	-0.1	2.3	7.9	195	0	0	77	1.7	0.9	0.8	0.7	L0.2	0.7	S0.3	S0.5	2.6	1.3	0.6	0.3	S1.6	C0.7	L0.3	W0.1	C0.5	19.6
4.9	-0.5	-0.7	60	-0.4	2.1	6.7	195	0	0	73	1.6	0.3	-0.2	1.4	L0.3	-0.1	S1.0	L0.1	0.8	1.2	1.1	0.4	S1.0	C0.4	S0.1	C0.9	C0.1	12.3
5.5	1.1	-0.3	63	-0.9	3.4	7.2	194	0	0	75	1.4	0.2	0.0	0.8	H0.1	0.3	P0.2	S0.4	2.2	1.3	0.6	-0.3	S1.5	C2.2	0.0	C1.2	B0.4	18.0
5.1	-1.9	-2.7	61	-3.4	1.6	7.8	193	0	0	75	2.2	1.1	0.5	1.7	L0.2	0.3	S0.1	S0.6	2.0	1.6	1.3	0.7	S1.5	C1.5	0.0	C1.1	C0.5	21.4
6.0	-1.3	-1.6	62	-1.1	1.9	7.8	191	0	0	75	1.1	1.0	-0.3	0.6	L0.3	-0.2	P0.5	S0.6	1.1	0.8	0.4	0.1	S1.9	W0.6	L0.3	W0.1	C0.4	12.9
4.9	2.2	-0.2	64	-0.2	2.9	7.3	191	0	0	75	1.6	1.4	0.2	1.6	H0.6	0.7	S0.1	S0.3	1.8	1.1	1.2	0.5	S1.9	C1.5	S0.3	C1.4	B0.9	21.0
5.6	-1.9	-1.9	60	-1.1	1.6	7.1	190	0	0	73	1.3	1.6	0.8	0.4	H0.3	0.7	P0.6	S1.0	2.8	1.2	0.3	-0.5	S2.6	W0.9	L1.2	W0.5	C0.2	17.8
5.2	1.8	-0.2	59	-0.1	2.1	7.0	190	0	0	74	1.1	0.2	-0.2	1.3	L0.3	-0.1	S0.9	S0.1	0.9	0.9	1.0	0.8	S0.5	C0.8	S0.1	C1.4	C0.5	11.6
5.0	1.7	1.6	65	2.5	3.6	8.2	189	0	0	78	1.4	1.1	0.7	1.5	H0.3	1.0	0.0	S1.2	1.2	0.4	1.1	0.2	S0.6	C1.0	S0.4	C1.3	C0.4	10.0
5.0	-0.9	-1.6	64	-1.9	2.3	8.3	188	0	0	76	1.5	0.9	0.6	0.5	L0.8	0.5	S0.2	S0.5	1.8	0.8	0.4	0.5	S1.6	C1.0	0.0	C0.5	C0.7	17.6
3.9	-1.3	-1.9	69	-2.1	1.1	9.4	187	0	0	79	0.9	0.1	0.8	0.2	H0.6	0.9	P0.7	S0.3	1.3	-0.2	0.2	0.5	S0.7	C1.5	S0.2	C1.4	0.0	10.5
4.1	-3.3	-2.8	62	-2.2	2.5	7.6	186	0	0	75	1.7	0.1	0.2	1.4	0.0	-0.4	P0.6	S0.4	1.2	1.4	1.1	0.6	S1.1	C0.7	L0.2	C0.7	C0.4	15.0
4.9	0.8	-0.8	59	-0.1	2.8	6.8	184	0	0	74	1.5	0.6	0.5	1.0	L0.7	-0.2	P0.1	S0.6	1.0	0.9	0.8	0.8	S1.4	C0.9	0.0	C1.4	C0.3	15.8
5.4	1.0	-2.3	62	-1.8	2.0	8.0	183	0	0	75	1.5	1.0	0.2	1.2	L0.6	0.0	S0.4	S0.2	1.7	1.0	0.9	0.4	S2.0	C1.2	S0.4	C1.4	C0.3	20.2
6.3	1.0	0.6	67	1.5	2.1	9.3	183	0	0	77	1.6	-0.1	0.4	1.0	H0.2	1.2	P0.4	S0.7	2.4	1.5	0.7	0.1	S1.5	C1.7	S0.2	C0.8	C0.3	20.4
6.6	2.0	1.6	62	1.4	1.8	8.4	183	0	0	75	2.0	0.5	0.0	0.9	H0.5	0.3	P0.4	S0.8	3.4	1.6	0.7	0.7	S3.4	C1.5	S0.8	0.0	C0.7	35.0
5.1	0.9	-0.2	66	1.6	3.8	8.2	182	0	0	78	1.5	1.2	0.6	1.1	L0.3	0.9	S0.1	S0.6	2.0	1.6	0.9	0.4	S1.5	C1.5	L0.6	C1.2	C0.1	19.2
4.8	-1.7	-1.0	63	-0.9	2.9	7.9	181	0	0	75	2.1	0.7	-0.4	2.2	L0.8	-0.2	S0.3	L0.2	1.1	2.7	1.7	1.3	S0.7	C1.2	L0.3	C1.3	B0.2	19.6
2.6	-1.6	-2.7	66	-2.4	1.1	8.6	180	0	0	77	2.1	1.3	0.6	2.0	H0.1	0.6	S0.4	S0.8	1.9	2.4	1.5	0.7	S1.7	C0.4	L1.2	W0.7	B0.3	20.8
5.9	0.3	-0.4	64	-0.4	3.7	8.1	180	0	0	76	1.3	-0.5	-0.8	0.7	H0.4	-0.3	S0.3	S0.1	1.7	0.9	0.5	0.3	S1.1	C1.2	S0.2	C0.8	B0.3	15.2
4.6	1.1	0.3	64	0.8	2.2	8.6	180	0	0	75	1.6	1.4	-0.3	1.0	L0.7	0.1	S0.8	0.0	1.7	1.6	0.8	0.2	S2.1	C1.3	L0.9	C0.5	C0.2	19.5
5.6	0.9	0.8	65	-0.6	2.6	7.9	179	0	0	76	1.3	1.1	0.4	1.0	H0.2	0.8	P0.4	S0.4	1.7	0.8	0.7	0.2	S1.3	C0.8	S0.2	C1.2	B0.3	15.0
6.1	1.5	0.9	66	0.7	2.3	7.4	178	0	0	77	1.2	1.6	0.9	0.9	L1.0	0.2	S0.3	S0.6	0.8	0.2	0.7	0.8	S1.2	C0.8	S0.5	C1.0	C0.5	13.2
6.5	2.9	0.5	64	0.8	2.8	7.8	178	0	0	76	1.3	1.1	0.3	0.5	H1.0	1.0	P0.8	S1.5	2.8	0.6	0.4	0.4	S2.8	C1.4	L0.1	C1.5	0.0	25.3
3.2	-2.3	-1.5	66	-1.1	2.5	6.9	176	0	0	75	1.3	2.0	0.7	1.1	L0.9	0.4	P0.1	S0.4	1.3	1.2	0.8	-0.1	S1.3	W0.2	S0.1	W0.3	C0.1	12.3
5.5	0.0	-1.5	63	-0.8	3.7	8.1	176	0	0	76	1.1	0.2	-0.2	1.1	L0.4	-0.2	P0.5	S0.6	1.2	1.1	0.8	-0.6	S1.4	W0.8	L0.1	W0.8	B0.3	9.2
5.5	1.7	-1.1	65	0.0	2.7	8.0	176	0	0	77	2.1	-0.2	-0.5	1.4	H0.6	-0.1	P0.4	S0.8	2.6	2.3	1.0	1.1	S2.5	C0.8	L0.7	C0.5	B0.3	28.8
6.2	2.7	0.9	65	1.2	3.2	8.0	176	0	0	76	1.9	0.5	-0.6	1.8	H0.7	0.2	P0.2	S0.9	2.3	1.9	1.3	0.3	S2.0	C1.3	S0.4	C1.9	B0.3	24.1
4.5	-1.2	-3.9	67	-4.7	0.4	8.3	175	0	0	78	2.0	0.6	-0.6	1.6	L0.9	-0.7	S0.2	S0.1	1.5	2.5	1.2	0.1	S1.7	C0.6	L0.6	C0.1	C0.8	18.7
5.2	1.8	0.0	66	0.7	2.6	9.0	175	0	0	78	1.5	0.3	0.6	1.0	L0.3	0.4	S0.3	S0.5	1.7	0.8	0.8	0.4	S1.2	C1.5	S0.6	C1.3	C0.4	16.8
5.0	0.5	0.5	66	0.6	3.0	8.1	175	0	0	78	1.5	1.7	1.1	1.5	H0.1	1.6	S0.6	S1.0	2.4	1.4	1.1	0.6	S1.5	C1.4	S0.4	C1.1	C0.4	22.1
4.3	1.4	0.1	68	0.9	3.7	9.5	175	0	0	78	1.3	2.1	0.4	0.8	L0.2	0.6	S0.5	S0.7	1.9	0.9	0.6	0.2	S1.9	C1.1	S0.4	C0.8	C0.6	19.1
4.7	-1.1	-2.7	61	-3.1	0.2	7.4	174	0	0	75	1.5	0.0	0.0	0.3	H0.4	0.0	P0.8	S0.8	2.5	1.5	0.2	0.2	S2.1	C0.9	L0.2	C0.1	C0.1	22.0
4.0	-1.5	-2.3	63	-1.9	2.3	6.5	174	0	0	76	1.4	1.0	-0.1	1.3	L0.8	0.3	P0.3	S0.3	1.4	1.1	1.0	-0.1	S1.6	C0.7	S0.7	C0.1	C0.5	15.8
4.5	0.9	-1.7	67	-1.5	1.5	8.2	174	0	0	77	1.6	1.1	0.5	1.5	L0.8	0.4	P0.7	S0.5	1.2	1.8	1.1	0.1	S1.1	W0.5	S0.1	W0.6	C0.1	13.1
3.0	-3.2	-0.8	65	-0.2	5.6	7.2	173	0	0	76	1.5	-0.5	0.0	1.3	H0.9	0.0	P0.6	S0.8	1.3	1.3	1.0	0.6	S0.4	C0.9	L0.2	C0.5	B0.2	12.2
4.5	0.1	-1.9	63	-2.1	2.9	6.8	173	0	0	75	2.0	1.1	0.8	1.7	H1.2	1.2	P0.7	S1.1	2.0	1.8	1.3	0.7	S0.7	C2.7	L0.1	C0.9	B0.7	19.6
5.2	2.0	-0.3	62	-0.5	2.0	6.2	173	0	0	75	1.7	2.4	1.0	1.0	H0.4	1.4	P0.6	S0.9	2.7	1.5	0.8	-0.1	S2.3	C0.7	L0.8	C1.4	B0.5	21.2
5.1	-0.1	0.2	61	0.0	3.4	7.2	173	0	0	74	2.3	2.0	0.9	1.7	0.0	0.9	P0.2	S0.8	2.0	1.8	1.3	1.3	S1.8	C0.9	L0.7	C0.6	C0.4	23.7
4.9	0.0	-0.7	62	-0.3	3.2	7.5	173	0	0	74	1.4	0.5	-0.3	1.2	L0.3	0.1	S0.7	S0.1	1.2	1.3	0.9	1.0	S1.9	C0.8	S0.4	W0.1	C0.6	21.0
5.1	-0.8	1.0	65	1.4	4.1	9.5	173	0	0	76	1.9	2.4	0.5	0.9	L0.1	0.9	P0.2	S1.1	2.5	1.7	0.7	0.9	S3.1	C1.0	L0.4	C0.1	C0.3	29.6
3.3	-1.5	-1.9	67	-1.6	0.0	8.3	172	0	0	77	1.5	2.4	1.0	1.6	L0.9	0.9	S0.1	S0.2	0.9	2.1	1.2	0.3	S1.1	W0.8	L0.6	W0.4	C0.2	12.3
5.0	2.3	-2.1	66	-1.5	2.1	8.7	172	0	0	77	1.3	-0.2	0.3	0.9	L0.3	0.4	P0.7	S0.7	1.0	1.0	0.7	-0.2	S0.2	C0.2	S0.8	C0.8	0.0	7.2
6.3	2.0	-0.4	63	0.6	4.5	7.7	172	0	0	75	1.1	1.6	0.4	0.4	L0.2	0.7	P0.1	S1.0	2.4	1.1	0.3	-0.6	S2.1	0.0	S0.2	C0.8	B0.5	17.1
4.5	0.8	-2.1	59	-1.8	1.7	6.5	172	0	0	74	1.4	0.9	0.7	1.1	L0.1	0.5	P0.3	S0.8	1.5	0.6	0.9	1.1	S1.4	C1.3	S0.1	C1.2	C0.6	18.3
6.6	2.1	-0.8	65	-0.3	0.2	10.0	172	0	0	76	1.9	-0.5	-0.9	1.2	H0.6	-0.1	S0.2	S0.3	2.0	2.0	0.9	0.1	S1.7	C0.6	L0.2	C0.6	C0.2	19.4
5.8	1.5	0.6	65	1.1	3.6	7.8	172	0	0	76	1.1	0.4	0.0	0.7	H1.1	0.4	P0.6	S0.9	1.9	0.6	0.6	0.2	S1.6	C0.7	S0.2	C1.2	B0.6	16.2
7.1	3.9	2.1	60	2.1	4.0	7.3	172	0	0	75	1.5	1.6	0.1	1.2	0.0	0.7	P0.3	S1.2	2.0	1.3	0.9	1.1	S2.2	C1.5				

# Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI August 2019

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	JX CO-OP WC MR CHAVEZ (4)-P-ET	840003146960075	99K	100	F	1JE5000	76	557	0.18	64	0.08	36	584	553	485	458	2.99		
G	JX CAL-MART COTTAGE (5)-ET	USA 067374614	99K	100	F	29JE4118	76	571	0.16	60	0.09	39	527	487	404	419	2.79		
G	JX FARIA BROTHERS ZACH LOWE (5)-ET	840003144724385	99K	100	F	29JE4136	75	571	0.23	73	0.09	39	570	530	447	457	2.80		
G	ISDK VJ ADELGAARD HOVE SAMSON	DNK 000304415	50K	100	F	236JE257	72	258	0.30	73	0.13	35	583	536	435	479	2.85		
G	JX FARIA BROTHERS FRANCESA (4)-ET	840003144724310	99K	100	C	1JE1088	76	1291	0.02	65	0.04	55	542	511	446	345	2.77		
G	SUN VALLEY MARCIN JERONIMO-ET	USA 119873803	99K	100	F	14JE1626	78	1241	-0.03	53	0.04	54	548	519	458	384	2.92		
G	JX AVI-LANCHE RONALDO DEDE (4)-ET	840003131412485	99K	100	C	29JE4108	76	1163	-0.04	47	0.03	49	531	502	444	373	2.71		
G	PROGENESIS MAGNUS-P-ET	CAN 109862276	99K	100	F	200JE1075	76	1318	-0.02	58	0.00	48	522	507	475	415	2.95		
G	FOREST GLEN BANCROFT TATE	USA 067650143	99K	100	F	29JE4087	76	1182	0.00	57	0.00	43	534	520	492	482	2.95		
G	ISDK VJ BALSLEV LOBO CHOKO	DNK 000304568	6K	100	F	236JE4568	71	42	0.38	77	0.16	34	580	528	413	496	3.04		
G	JX FARIA BROTHERS ALTASPARTA (4)	840003140371373	99K	100	F	11JE1350	77	1403	0.03	74	0.05	60	557	529	469	411	3.08		
G	JX FARIA BROTHERS ALTAZIZIC (4)	840003140371297	99K	100	F	11JE1348	76	1267	0.07	75	0.04	54	550	519	456	407	2.78		
G	JX SEXING WORLD CUP PHOENIX (4)-ET	840003146616931	99K	100	F	551JE1749	76	674	0.08	49	0.07	39	524	489	417	397	2.80		
G	JX FARIA BROTHERS TOBASCO (4)-ET	840003144724629	99K	100	F	97JE189	75	747	0.10	57	0.04	35	534	510	459	436	2.81		
G	JX FARIA BROTHERS KAWHI (4)	840003144724398	99K	100	F	97JE180	76	1730	-0.11	59	0.02	66	493	463	404	290	2.69		
G	FOREST GLEN KALAHARI	USA 067650122	99K	100	F	29JE4073	76	702	0.08	49	0.10	46	531	493	408	430	3.11		
G	RIVER VALLEY CIRCUS CRAZE-ET	USA 075341001	99K	100	F	200JE10001	77	764	0.08	53	0.02	31	548	533	501	476	2.90		
G	JX ABS TLD LACTOSE (5)-ET	840003146074479	99K	100	F	29JE4124	75	1412	0.02	71	0.04	59	550	521	460	385	2.93		
G	PROGENESIS DANCER-ET	CAN 110129621	99K	100	F	200JE1111	76	1460	0.08	87	0.02	56	584	566	527	422	3.12		
G	JX FARIA BROTHERS ALVES (5)-ET	840003140371276	99K	100	F	551JE1715	76	1125	0.01	56	0.04	48	510	484	430	428	2.87		
G	JX DUPAT DISCO BENELLI (6)-ET	840003141725638	99K	100	F	7JE1724	75	1179	-0.08	40	-0.01	41	512	499	475	404	2.84		
G	SANDCREEKS D LARS COLOMBIA278-ET	840003134637593	45K	100	F	100JE7410	75	1200	-0.01	55	0.01	45	540	527	498	486	3.07		
G	PRIMUS CHANGEUP HITTER-ET	840003146582161	99K	100	F	14JE1729	74	407	0.16	51	0.10	34	521	481	397	423	2.77		
G	JX FARIA BROTHERS ALTAGRONK (4)-ET	840003135124429	99K	100	C	11JE1339	75	1241	0.07	73	0.06	58	536	501	426	369	2.93		
G	PINE-TREE ALTFULLBLD-ET	USA 067731422	99K	100	F	11JE1352	77	1004	0.08	65	0.07	50	544	511	441	415	2.99		
G	VERJATIN FARMFEST-ET	CAN 110768695	99K	100	F	250JE1687	74	751	0.02	40	0.02	32	511	493	455	422	2.85		
G	D&E DIMENSION KELBY-ET	840003131651420	99K	100	F	29JE4060	77	855	0.06	52	0.08	47	504	466	386	431	2.85		
G	AHLEM WHISTLER-ET	USA 067823718	99K	100	F	200JE1140	76	967	0.02	50	0.01	36	505	490	461	406	2.84		
G	JX SANDCREEK SOLDIER (4)-ET	840003134637613	99K	100	F	1JE1098	76	816	0.10	59	0.04	37	519	499	455	444	3.02		
G	TOG ALTBALITZ AMES-ET	840003139851986	99K	100	F	14JE1647	76	280	0.20	53	0.09	28	529	494	419	432	2.81		
G	JX AHLEM HARRIS RAZARRI (5)	USA 067823001	99K	100	F	11JE1308	77	1967	-0.10	71	0.00	70	524	505	465	327	2.96		
G	JX RIVER VALLEY BRAVO (6)-ET	USA 067861243	99K	100	C	200JE10040	75	1517	-0.07	58	0.01	57	505	483	438	320	2.84		
G	JX FARIA BROTHERS MINKO (4)-ET	840003144724318	99K	100	C	1JE1089	76	765	0.14	66	0.09	45	544	505	423	375	2.87		
G	AHLEM CRAZE DOC 24061-ET	840003144728256	45K	100	F	100JE7413	73	929	-0.02	41	-0.01	32	500	492	475	455	2.93		
G	TOG ALTBALITZ KALONA-ET	840003143160038	99K	100	F	14JE1678	77	1251	-0.12	34	0.00	46	468	448	411	373	2.74		
G	HILMAR TOPGUN (6)-ET	USA 119875908	99K	100	F	147JE6228	77	930	0.01	47	0.04	41	502	478	428	401	2.87		
G	JX FARIA BROTHERS COUTINHO (4)-ET	840003140305996	99K	100	F	551JE1711	76	658	0.19	71	0.07	37	549	518	452	380	2.84		
G	JX FARIA BROTHERS MAHREZ (5)-ET	840003144724308	99K	100	F	551JE1737	76	875	0.04	49	0.05	41	497	470	413	387	2.84		
G	TOG ALTBALITZ UTE-ET	840003140986398	99K	100	F	14JE1679	75	603	0.07	42	0.09	39	487	451	373	373	2.86		
G	JX CO-OP JODECI MEEKO (4)-P-ET	840003146960089	99K	100	F	1JE5014	76	885	0.05	52	0.01	34	511	496	466	396	2.87		
G	JX PINE-TREE EUSEBIO SHOCK (5)-ET	USA 067731322	99K	100	F	7JE1606	76	1326	0.03	70	0.05	58	511	481	415	329	2.95		
G	JX GENERATIONS TRADITION (5)-P	USA 067289342	99K	100	F	29JE4045	77	1447	-0.05	59	0.02	57	489	464	413	316	2.88		
G	RIVER VALLEY MAC MODEL-ET	USA 075341177	99K	100	F	200JE10032	76	297	0.25	64	0.11	32	493	453	367	375	2.86		
G	RIVER VALLEY CHARLEY CHANGE UP-ET	840003126479215	99K	100	C	200JE10010	80	494	0.18	60	0.07	31	514	485	425	409	2.89		
G	JX ABS CHAPMAN (4)-ET	840003135245979	99K	100	F	29JE4078	76	1171	-0.04	47	0.03	49	475	450	396	373	2.85		
G	AHLEM BANCROFT CHICAGO 23929	USA 067823929	45K	100	F	100JE7403	76	1342	-0.07	48	0.00	48	459	446	419	338	3.00		
G	JX BW COUNTDOWN (5)-ET	840003131148667	99K	100	F	551JE1667	78	1160	-0.05	44	0.03	47	474	451	404	373	2.87		
G	JX AARDEMA ALTASPARTA (4)	840003012659436	99K	100	F	11JE1375	75	624	0.12	55	0.02	27	505	489	455	430	2.86		
G	JX SEXING DAYBREAK CHICO (6)-ET	840003132349950	99K	100	F	551JE1668	76	1220	-0.07	44	0.04	52	482	457	402	343	3.00		
G	JX SANDCREEKS RONALDO MATEO (4)-P-ET	840003144012332	99K	100	F	29JE4146	76	1234	-0.05	49	0.01	46	479	460	422	341	2.79		
G	SHAN-MAR LEMONHEAD KINGSTON-ET	USA 067460159	50K	100	F	14JE760	77	206	0.29	68	0.13	34	525	478	376	393	2.90		
G	JX FARIA BROTHERS BILL RUSSELL (4)	840003135124397	99K	100	F	29JE4068	76	1419	-0.04	60	-0.01	49	479	464	437	357	2.83		
G	PROGENESIS MALARKEY-ET	CAN 109793000	99K	100	F	200JE1100	76	1276	-0.01	58	0.00	46	495	481	454	376	2.98		
G	JX CRESCENT VOLCANO GRANT (6)	USA 067295728	50K	100	F	14JE754	78	819	0.07	54	0.03	36	490	470	428	388	2.94		
G	JX WASKIV DANESTAR (4)-ET	DNK 082902380	99K	100	F	200JE7919	74	37	0.33	67	0.16	33	523	471	357	381	2.95		
G	ISDK VJ KLOVBORG HJORT KLOV (6)	DNK 000304276	50K	100	F	236JE243	71	40	0.26	53	0.14	30	479	426	316	424	2.72		
G	JX ALL LYNNS HARRIS VALI (5)	USA 172966184	45K	100	C	321JE101	76	1423	0.00	67	0.04	60	459	429	364	266	2.89		
G	JX FARIA BROTHERS ALTARICHT (5)-ET	840003135124426	99K	100	C	11JE1338	76	900	0.14	71	0.09	51	507	466	379	343	2.91		
G	JX ABS CHEESEHEAD (6)-ET	840003135246056	99K	100	F	29JE4081	76	797	0.16	70	0.09	47	505	466	381	384	2.90		
G	AVI-LANCHE MALCOM (4)-P	840003131651479	99K	100	F	97JE166	76	1006	0.03	53	0.04	45	463	434	374	337	2.75		
G	JX BW VALIANT (5)	USA 119427851	29K	100	F	505JE126	77	1206	0.00	57	0.00	44	490	472	436	348	2.74		
G	JX FARIA BROTHERS LEWANDOWSKI (4)-ET	840003140305997	99K	100	F	551JE1712	76	1026	0.08	66	0.03	44	521	499	452	334	2.99		
G	JX SANDCREEKS D STEVENS PARAGUAY (4)-ET	840003144012326	45K	100	F	566JE105	75	914	0.06	55	0.04	42	497	471	416	360	2.88		
G	PINE-TREE NXLEVEL FASTIDIOUS-ET	USA 067731425	99K	100	F	97JE167	77	950	0.09	63	0.03	41	506	486	442	384	3.01		
G	SHAN-MAR ARCHER KNOCK-OUT-ET	USA 067460152	50K	100	F	14JE758	77	928	0.08	60	0.04	41	487	465	417	385	2.96		
G	RIVER VALLEY MAC MOVER-ET	USA 075341176	99K	100	F	200JE10033	76	277	0.23	60	0.09	28	493	460	389	354	2.94		
G	JX FOUR J MESSI MELLY (5)	840003142841125	99K	100	F	551JE1739	76	729	0.22	79	0.07	40	543	514	452	356	3.05		
G	JX FOREST GLEN MONUMENT SULLY (6)	USA 119889365	99K	100	F	97JE165	75	1155	-0.02	50	-0.02	38	494	486	471	420	2.88		
G	JX FARIA BROTHERS ED REED (4)-ET	840003135124300	99K	100	F	7JE1603	77	1069	0.10	72	-0.01	37	516	506	486	451	2.92		
G	MFW ALTACHIVE-ET	USA 119691058	99K	100	F	11JE1326	77	1238	-0.05	48	0.04	52	466	446	400	375	3.21		
G	CAL-MART HALO-ET	USA 067384567	99K	100	F	29JE4096	77	706	0.05	44	0.04	33	473	451	405	356	2.87		
G	ISDK VJ HOEHOLT JERN JAMES	DNK 000304302	50K	100	F	236JE248	73	-53	0.36	69	0.16	30	508	455	340	420	2.88		
G	JX SEXING VALIDATE 60883 (5)-ET	840003010364630	13K	100	F	551JE1643	78	1734	-0.09	62	-0.0								

# Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI August 2019

PL	LIV	DPR	REL	CCR	HCR	EFI	JPI	Type Hds	Type Daus	Type REL	FS	ST	SR	DF	RA	RW	RL	FA	FU	RH	RWU	UC	UD	TP	TL	RTP RV	RTP SV	JUI
5.7	2.3	-0.6	64	-1.0	3.6	7.1	161	0	0	75	1.5	1.1	0.1	1.6	H0.2	0.6	S0.5	S0.4	1.4	1.2	1.2	0.7	S1.1	C1.3	0.0	C1.6	B0.6	16.6
3.5	-0.9	-0.7	65	-0.2	2.2	6.5	160	0	0	75	1.5	1.1	0.3	0.7	H0.5	0.5	P0.3	S0.5	2.3	1.6	0.5	0.4	S2.5	C0.5	L0.6	C0.5	C0.3	23.2
4.3	-0.9	-0.2	60	-0.4	2.0	6.2	160	0	0	74	0.9	1.0	0.3	0.2	L0.9	0.5	S0.3	S0.2	1.1	1.0	0.2	0.0	S1.1	C0.1	L0.3	C0.5	C0.3	10.3
4.3	0.7	0.4	56	1.4	2.5	3.5	160	0	0	70	0.0	1.0	0.1	-0.2	H0.1	-0.2	P0.1	S0.3	0.1	0.1	-0.2	-0.4	S1.5	W0.8	S0.4	W0.7	C0.3	5.3
3.4	-0.7	-4.2	61	-4.2	0.0	6.8	159	0	0	74	1.8	0.8	0.4	0.8	H0.1	0.4	P0.5	S0.6	2.3	1.7	0.6	0.1	S2.2	W0.2	L0.5	C0.4	C0.3	20.2
4.6	1.1	-2.7	68	-2.7	2.9	8.8	159	0	0	78	2.1	2.4	1.7	1.3	H0.1	1.6	P0.9	S1.4	2.8	1.8	1.0	0.4	S2.0	C1.9	L0.4	C0.9	C0.8	25.0
5.2	0.9	-2.3	64	-2.3	1.8	5.9	159	0	0	76	1.7	1.1	1.2	0.6	H0.9	1.0	P1.2	S1.3	2.6	1.2	0.5	0.8	S1.9	C1.2	L0.6	C1.9	B0.3	22.7
4.6	0.1	-1.3	66	0.1	3.0	7.9	159	0	0	77	1.1	-0.2	-0.3	1.1	L0.2	-0.6	S0.6	L0.6	0.8	0.9	0.8	0.6	S1.0	C1.1	L0.2	C0.9	B0.1	12.6
3.8	1.1	0.4	64	2.2	5.7	7.2	159	0	0	77	0.8	0.9	-1.0	1.6	L1.0	-0.5	S0.4	S0.3	-0.3	1.2	1.2	-0.2	S0.6	W1.1	S0.3	C0.1	B0.3	3.5
3.6	0.6	1.0	50	2.7	3.9	2.3	159	0	0	65	-0.1	0.7	0.3	0.2	L0.7	0.2	S1.0	S0.1	0.4	-0.3	0.2	0.0	S1.2	0.0	S0.1	W0.2	C0.2	5.9
2.9	-2.4	-2.7	68	-2.3	1.2	7.9	158	0	0	76	1.5	0.9	0.1	1.5	L0.9	-0.2	P0.4	S0.1	1.0	1.7	1.1	-0.1	S1.0	W0.1	L0.5	C0.3	C0.1	10.6
2.4	-1.0	-2.1	66	-2.6	1.3	5.9	158	0	0	76	1.0	1.5	1.3	0.4	L0.4	0.7	P0.2	S0.5	1.6	0.4	0.3	0.5	S0.8	C0.5	L1.2	C1.5	C0.4	9.9
5.4	0.2	-0.9	65	-1.5	2.4	8.2	158	0	0	76	2.4	1.2	0.6	1.1	0.0	0.5	P0.2	S0.8	2.6	1.6	0.8	0.7	S2.2	C1.6	L0.6	C1.9	B0.4	25.3
5.2	0.4	-0.4	60	0.0	3.7	6.2	158	0	0	73	0.8	-0.3	-0.3	0.2	H0.9	-0.1	P0.5	S0.7	2.0	0.5	0.1	0.1	S2.3	C0.4	0.0	W0.3	C0.3	18.2
2.6	-3.1	-5.3	67	-4.9	2.9	7.3	157	0	0	76	1.5	0.5	0.7	0.9	L0.6	-0.1	P0.1	S0.4	1.5	1.2	0.7	0.7	S0.9	C0.8	L0.4	C0.7	C0.3	14.6
4.6	0.1	-0.2	64	0.5	2.3	6.8	157	0	0	76	1.7	0.8	0.3	0.8	H0.3	0.6	P0.6	S1.1	2.7	1.9	0.6	0.1	S2.2	C1.3	S0.4	C1.3	0.0	25.2
5.8	2.9	1.0	70	1.0	1.4	9.6	157	0	0	78	1.6	1.6	0.0	0.9	L0.1	0.7	S0.2	S0.8	2.1	1.6	0.7	0.7	S2.5	C0.6	L1.3	C0.3	C0.4	22.8
3.3	-1.6	-3.1	65	-3.0	1.6	6.9	156	0	0	76	1.1	0.8	0.5	0.4	L0.2	-0.1	P0.8	S0.5	0.9	0.5	0.3	0.3	S1.2	C0.4	L0.9	0.0	0.0	9.5
2.8	-0.8	-3.3	66	-3.0	0.2	8.2	156	0	0	77	1.6	1.8	0.7	2.3	L0.9	0.5	P0.1	L0.1	0.7	1.9	1.7	0.9	S0.4	C0.2	L0.4	W0.3	C0.4	12.1
2.9	0.6	0.1	64	-0.1	1.1	6.6	156	0	0	76	1.0	-0.4	-0.4	1.2	0.0	-0.1	S0.2	S0.1	0.1	0.2	0.9	0.3	S0.1	C0.6	S0.8	C1.2	C0.6	4.6
6.1	2.1	-0.9	62	-0.7	2.8	8.1	156	0	0	76	1.8	0.0	-0.1	1.1	H0.6	-0.1	P0.6	S1.0	2.3	1.1	0.8	0.5	S1.6	C2.1	S0.3	0.0	C0.9	21.7
4.6	0.9	1.0	61	1.2	2.8	6.9	155	0	0	75	1.0	0.5	0.1	1.4	L0.3	0.2	S0.1	S0.4	1.0	1.7	1.1	0.3	S0.8	C0.1	L0.9	W0.2	B1.2	10.8
4.8	-0.1	-0.1	63	0.2	4.1	8.7	155	0	0	75	1.8	0.6	0.0	1.2	0.0	0.2	P0.6	S1.1	1.5	1.3	0.9	0.4	S1.0	C0.9	S0.1	C0.1	C1.3	15.1
2.1	-1.1	-3.3	63	-3.0	1.5	6.1	154	0	0	75	0.8	0.6	-0.3	1.1	L0.8	-0.3	S0.5	L0.4	0.2	0.9	0.8	-0.3	S0.3	C0.1	L0.3	W0.1	C0.2	2.8
3.5	0.5	-1.4	67	-0.6	1.3	8.5	154	0	0	78	1.2	1.0	0.7	1.3	L0.5	0.6	S0.3	0.0	0.6	1.5	1.0	0.5	S0.4	W0.4	S0.4	W0.6	0.0	9.6
5.9	2.8	0.2	62	-0.2	2.2	8.1	154	0	0	75	1.5	0.8	0.1	1.0	H0.4	0.6	P0.5	S1.4	2.9	1.3	0.8	0.4	S2.9	C1.3	S0.2	C0.6	C0.4	28.2
3.4	0.3	0.9	65	1.5	2.2	6.4	153	0	0	77	0.2	0.4	0.3	0.8	L0.3	0.2	S1.1	L0.3	0.6	-0.1	0.6	-0.3	0.0	C0.7	L0.2	C0.3	C0.9	1.0
5.7	-0.4	-0.8	67	-0.9	4.2	9.0	153	0	0	78	2.4	2.1	1.0	1.2	H0.1	1.5	P0.3	S1.2	3.1	2.2	0.9	0.8	S2.8	C1.8	L0.2	C1.6	C0.1	32.2
4.9	0.4	0.5	63	0.2	3.7	7.6	152	0	0	75	1.0	1.0	-0.2	1.3	L0.9	-0.2	S1.0	L0.2	0.6	1.1	1.0	0.4	S1.2	C0.7	S0.7	W0.6	C0.4	13.6
5.5	1.7	0.1	64	1.3	4.0	8.0	152	0	0	74	1.2	-0.5	-0.2	0.5	L0.2	0.0	P0.4	S0.5	1.2	0.6	0.4	-0.2	S1.5	C0.3	S0.6	W0.2	C0.1	12.3
2.5	-2.8	-5.0	68	-4.9	-1.0	8.5	151	0	0	78	1.6	1.9	0.8	1.7	0.0	0.6	S0.1	S0.5	1.2	1.6	1.3	0.2	S1.0	C0.7	L0.3	C0.6	B0.1	13.4
3.9	-2.5	-4.4	62	-4.3	0.4	8.0	151	0	0	75	1.8	0.7	0.5	0.9	H0.5	0.3	P0.9	S1.2	2.8	1.6	0.7	0.6	S2.4	C0.8	L0.9	W0.3	C0.3	24.9
4.2	-0.3	-2.7	62	-2.6	1.8	7.3	151	0	0	74	1.0	-0.1	-0.4	0.6	H0.4	0.1	0.0	S0.2	1.4	0.7	0.5	-0.4	S1.4	W0.5	L0.8	C0.4	C0.3	8.7
5.7	1.1	1.3	63	1.2	0.8	8.8	150	0	0	75	2.5	0.8	-0.2	1.2	H0.6	0.4	P0.6	S1.2	2.9	3.1	0.9	0.3	S2.6	W0.1	L0.6	C0.8	C0.2	28.1
5.3	1.1	-0.5	66	0.5	3.6	9.6	149	0	0	76	1.2	1.2	0.0	1.1	L1.3	-0.1	S0.5	S0.1	0.2	1.2	0.8	0.3	S0.4	C0.4	S0.6	C0.3	B0.2	8.2
4.0	1.3	-0.7	68	-0.5	1.7	9.3	149	0	0	78	1.7	1.5	0.4	0.9	L0.2	0.6	P0.7	S1.5	2.2	1.4	0.7	0.2	S2.4	C0.8	L0.2	C0.9	B0.6	22.2
3.9	0.9	-2.7	63	-3.4	-0.3	5.2	149	0	0	74	1.5	0.8	0.2	0.4	H0.6	0.5	P0.6	S0.7	2.2	1.5	0.3	0.2	S2.8	C0.2	L1.1	0.0	0.0	22.0
4.3	1.6	-0.7	63	-0.7	2.7	7.1	148	0	0	75	0.9	0.8	0.8	0.4	H1.1	1.0	P0.5	S0.6	2.3	0.4	0.3	0.2	S1.7	C1.4	L0.3	C1.8	B0.7	17.3
4.7	1.3	-0.8	65	0.1	3.8	8.9	148	0	0	75	1.6	1.1	0.3	1.4	L0.9	0.6	S0.2	S0.2	1.3	2.0	1.0	0.4	S0.8	C0.6	S1.0	W0.1	C0.4	16.5
5.8	1.4	-0.9	63	-2.1	2.7	7.4	148	0	0	74	1.7	0.7	0.1	1.3	L0.2	0.1	S0.1	S0.4	1.5	1.4	1.0	0.9	S1.9	C0.6	L0.3	C0.7	C0.2	20.3
2.8	-1.9	-3.9	67	-3.5	-0.5	6.7	147	0	0	77	0.8	-0.2	-0.2	0.5	0.0	-0.6	S0.5	L0.5	0.9	1.2	0.4	0.1	S0.4	C0.5	L0.4	C0.5	C0.1	7.9
3.4	-1.6	-3.9	67	-3.2	1.2	7.8	147	0	0	78	1.0	-0.6	0.0	0.5	H0.3	-0.2	P0.2	S0.2	1.2	0.5	0.4	0.6	S0.9	C0.7	L0.2	C0.8	C0.1	11.7
2.9	-1.9	-1.5	66	-0.7	0.8	7.7	147	0	0	78	2.3	1.8	0.3	2.1	0.0	0.8	0.0	S0.8	2.3	2.1	1.6	0.7	S2.5	C0.8	S0.6	C0.4	C0.5	28.1
4.4	0.1	-0.8	68	-0.6	3.5	8.8	147	0	0	78	1.9	0.8	0.2	1.3	H0.2	0.6	P0.3	S1.1	1.8	1.3	1.0	0.6	S1.8	C0.3	S0.3	C1.0	C0.9	19.9
4.0	-1.8	-1.3	66	-0.2	4.2	6.6	146	0	0	76	1.5	0.9	1.0	1.4	H0.2	0.7	P0.2	S1.1	1.4	1.1	1.0	0.6	S0.8	C1.1	L0.4	C1.5	0.0	13.6
2.4	0.1	-2.9	67	-1.9	1.6	10.0	146	0	0	77	2.8	0.2	-0.5	1.8	L0.6	-0.3	P0.2	S0.5	2.3	3.2	1.4	0.4	S2.3	C1.0	S0.1	C1.7	B0.7	28.3
4.9	-0.1	-0.6	66	-0.2	3.1	7.2	146	0	0	78	0.5	1.1	0.5	0.6	L0.2	0.1	0.0	L0.2	0.9	0.2	0.4	0.2	S1.7	C0.9	L0.2	C0.2	C0.7	12.3
5.3	2.0	0.5	61	1.0	2.9	6.6	146	0	0	73	1.1	0.9	0.3	-0.1	0.0	0.3	P0.3	S0.5	2.1	0.6	-0.1	0.3	S2.5	C1.3	S0.1	C0.8	C0.1	21.7
4.5	0.1	-2.2	68	-2.3	2.6	9.2	145	0	0	78	1.1	-0.4	-0.6	0.9	L0.2	-0.5	P0.4	S0.2	0.6	1.2	0.7	0.4	S1.2	W0.4	S0.2	W0.1	B0.1	11.7
3.7	0.0	-2.8	68	-2.2	3.1	7.9	145	0	0	77	1.7	0.2	0.6	0.9	H0.6	0.3	P1.1	S1.1	2.5	1.3	0.7	0.1	S1.7	C1.2	L0.3	C2.1	C0.1	19.6
3.0	0.1	-1.1	67	-1.2	0.1	8.2	145	0	0	78	1.5	1.1	0.2	0.5	L0.1	0.6	P0.2	S1.1	1.8	0.8	0.4	0.8	S1.6	C1.5	L0.7	C1.4	C0.9	18.3
3.0	-0.6	-2.4	65	-2.0	4.4	6.5	144	0	0	75	1.0	1.4	0.6	0.9	L0.7	0.0	S0.2	S0.1	0.5	0.7	0.7	0.6	S1.0	C0.5	L0.4</			

# Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI August 2019

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	SUNSET CANYON DENMARK-P-ET	USA 119872521	29K	100	F	100JE7391			76	353	0.16	48	0.07	26	433	404	344	310	2.80
G	JX FARIA BROTHERS IGNATIUS (4)-ET	840003135124349	29K	100	F	97JE175			76	803	0.02	43	0.05	39	460	434	379	365	2.93
G	DUPAT DILBERT-P-ET	840003127607529	29K	100	F	202JE606			77	712	0.04	42	0.01	27	447	438	419	458	3.02
G	JX PVF WORLD CUP ZANDER (5)	USA 127565169	99K	100	F	97JE173			76	112	0.18	42	0.10	23	454	418	342	367	2.79
G	BW PAXTON-ET	USA 119446229	99K	100	F	551JE1649			77	736	0.05	45	0.04	35	435	411	362	337	2.88
G	ISDK VJ SOLBAKKEN HALEY HIRTS	DNK 000304552	50K	100	F	236JE4552			70	-787	0.47	52	0.22	14	489	426	288	393	2.86
G	JX PROGENESIS BOBCAYNGEON (5)-ET	124 110216454	99K	100	F	200JE1114			76	1220	0.00	58	0.01	45	465	449	417	335	2.90
G	JX FARIA BROTHERS PINSON (5)-ET	840003132351602	29K	100	F	551JE1690			75	824	0.03	45	0.06	42	464	432	365	332	2.81
G	JX PEAK ALTAHEIR (6)-ET	840003138498950	99K	100	F	11JE1346			77	1353	-0.04	56	0.00	49	470	458	432	402	3.11
G	WETUMPKA LISTOWEL NIGEL-PP	USA 067339324	45K	100	F	566JE109			75	802	0.05	48	0.02	33	453	437	404	407	2.96
G	DUTCH HOLLOW OSCAR-P-ET	840003148600877	45K	100	F	566JE108			74	226	0.25	60	0.07	22	471	444	387	378	2.88
G	GOLDEN DREAM SLUGGER CUBSWIN-PP	USA 173083516	99K	100	F	551JE1741			73	284	0.20	54	0.12	35	445	401	306	318	2.95
G	JX WILSONVIEW SWORD MULTIPLY (6)-ET	USA 119465110	99K	100	F	97JE152			77	1042	-0.01	48	-0.02	33	438	434	426	371	2.96
G	JX GOLDEN HILL LUCKY BOB (4)	USA 173368215	99K	100	F	97JE185			73	637	0.11	53	0.07	38	450	421	357	371	3.07
G	AHLEM OLIVER KYSON-P-ET	USA 067823701	99K	100	F	14JE1639			76	876	0.10	63	0.02	35	454	438	405	295	2.93
G	AHLEM KWYNN CHINOOK 23485	USA 067823485	99K	100	F	551JE1700			78	20	0.15	31	0.10	20	391	355	278	302	2.75
G	JX FARIA BROTHERS FELTON (5)	840003135124089	99K	100	F	200JE1119			76	1034	-0.06	36	0.03	43	419	399	358	304	3.01
G	JX FARIA BROTHERS CAVANI (4)-ET	840003140306014	99K	100	C	551JE1714			77	483	0.16	56	0.07	31	467	438	377	326	2.91
G	RIVER VALLEY NBRAZIL SAXXON-P-ET	840003133234518	29K	100	F	202JE604			76	1112	-0.03	46	0.01	42	411	392	354	274	2.76
G	ISDK VJ KROGAARD RODME QUINTANA	DNK 000304301	50K	100	F	236JE247			73	-213	0.36	60	0.16	24	442	391	280	359	2.89
G	ISDK VJ HAGENBERGGAARD HITMAN (5)	DNK 000304254	50K	100	C	236JE231			73	-630	0.30	27	0.19	14	389	335	216	391	2.91
G	VERJATIN OCTOBERFEST	CAN 110768710	45K	100	F	182JE1013			74	664	0.02	35	0.02	28	412	396	364	322	2.89
G	ELLIOTTS REGENCY CASINO-ET	840003125141657	50K	100	F	14JE725			78	451	0.06	34	0.08	33	408	379	314	339	3.11
G	JX PEARLMONT PROP JOE DIMMER (4)	USA 067270655	99K	100	F	1JE955			76	329	0.15	45	0.06	24	437	412	358	363	2.89
G	JX SEXING GFRAPP GOLDEN (4)-P-ET	840003010364640	13K	100	C	551JE1653			76	855	-0.01	38	0.05	41	403	380	329	292	3.10
G	AHLEM GENOMINATOR MOONBEAM	USA 067823232	99K	100	F	7JE1577			77	311	0.16	46	0.05	22	399	374	322	316	2.76
G	AUDIBEL JARVIS-ET	CAN 110768703	99K	100	F	551JE1721			74	560	0.14	56	0.08	36	454	424	357	360	3.03
G	PINE-TREE KWYNN CUATRO-ET	USA 067731388	29K	100	F	566JE104			76	19	0.15	31	0.09	19	369	336	266	289	2.85
G	BW BRAVEHEART-ET	840003126536276	13K	100	F	551JE1656			81	643	0.13	57	0.07	37	433	407	348	292	3.12
G	ISDK VJ ENGBJERG HAZARD HERO	DNK 000304419	50K	100	C	236JE259			71	77	0.30	63	0.12	26	449	406	315	369	2.78
G	PEARLMONT REGENCY TIBET	USA 067270696	99K	100	F	14JE1624			76	901	0.02	47	0.06	44	406	384	332	327	3.26
G	ISDK VJ MOSEGAARD HILARIO HAARE	DNK 000304229	50K	100	F	236JE229			71	-18	0.25	48	0.14	27	404	357	256	354	2.87
G	SCENIC VIEW ASTUTE-P-ET	USA 067359183	99K	100	F	91JE5822			77	988	0.00	47	-0.01	33	401	393	377	304	2.87
G	JX FARIA BROTHERS TOM BRADY (5)-ET	840003135124336	99K	100	F	97JE159			76	1037	0.04	58	0.02	41	398	380	342	278	2.91
G	JX SR STERLING MATTER (6)-PP	USA 173156928	99K	100	F	97JE181			75	1066	-0.01	48	0.02	42	379	361	322	224	2.90
G	GOLDEN DREAM AMERICAN PHAROAH-P	USA 127553124	45K	100	F	566JE106			75	504	-0.05	13	0.03	24	347	331	299	339	2.96
G	PETERSON REGENCY LEON	840003010961740	99K	100	F	97JE153			76	818	-0.07	24	0.05	40	323	297	242	257	2.98
G	JX AHLEM BRUNO (5)-ET	USA 074067613	99K	100	F	551JE1654			82	891	-0.02	39	0.00	33	333	322	299	265	2.98
G	TATE BENEFACTOR SAVIOR-ET	840003006436157	29K	100	F	147JE6227			76	1463	-0.12	44	-0.04	44	366	361	355	284	2.80
G	JX SEXING WALTER CRANSTON 60790 (5)	840003010364537	50K	100	F	551JE1642			77	632	0.13	57	0.07	38	374	340	269	212	2.88
G	ST-LO PRESTO-ET	CAN 110150638	99K	100	F	97JE187			76	-149	0.11	14	0.02	-1	315	304	283	278	2.74
G	PINE-TREE DAYBREAK POLICY-ET	USA 067771245	99K	100	F	97JE155			77	276	0.14	42	0.05	20	352	335	297	249	3.10
G	SEXING LEMONHEAD DOYLE-ET	840003132348057	99K	100	F	551JE1698			76	461	-0.03	15	0.01	18	287	278	260	219	2.91
G	RIVER VALLEY CECE CHOICE	840003133234718	99K	100	F	200JE10027			77	587	0.01	29	-0.02	18	297	294	290	171	2.91
G	DEU RC SOL-PP	DEU 539873046	6K	100	F	624JE8001			72	465	0.06	35	0.07	31	284	254	191	192	2.90
G	ROSE CALLENBERG CRYSTAL-P-ET	DEU 539873090	6K	100	F	202JE607			73	449	0.03	27	0.02	20	272	259	232	221	2.87
G	OOMSDALE ANIECE NIKON ADAM-P-ET	USA 067235833	99K	100	F	91JE5694			79	453	0.11	44	0.03	22	321	307	278	182	3.00
G	DUTCH HOLLOW SANTANA CASE-PP-ET	840003131737417	29K	100	F	54JE636			76	949	-0.06	32	0.01	37	289	276	247	154	3.04
G	VERJATIN DAYLIGHT	CAN 110356901	99K	100	F	551JE1718			72	501	0.07	38	0.04	26	301	283	244	170	2.99
G	DUPAT CHARLEMAGNE 521-ET	840003127607540	29K	100	F	44JE532			77	1243	-0.11	36	-0.07	31	268	278	300	186	3.01
G	JX DUPAT PLUS 473 (4)	USA 067163473	13K	100	C	44JE527			75	1201	-0.10	36	-0.02	39	242	237	227	204	3.02
G	BW VALENCIA-ET	840003126536268	13K	100	F	551JE1657			77	462	0.03	29	0.00	17	248	245	237	120	3.11
G	ISDK ADELGAARD PRIMERO PRIMAL	DNK 344803387	29K	100	F	97JE42034			74	-550	0.24	19	0.07	-6	268	252	216	246	3.04
G	DUPAT BRIER 476-ET	USA 067163476	13K	100	C	44JE529			76	1470	-0.16	35	-0.03	47	229	223	213	138	2.98
G	LAMARIA WILBERT-ET	CAN 109960092	99K	100	F	551JE1693			76	511	0.02	28	-0.02	15	236	235	234	146	2.93
G	UNIQUE HP HELLCAT	CAN 012726323	99K	100	F	250JE1668			75	79	0.01	5	0.05	13	185	167	128	118	2.96
G	DUPAT BRIER 474-ET	USA 067163474	13K	100	C	44JE528			76	1509	-0.15	39	-0.03	47	217	214	209	137	3.03
G	SPRUCE-H CHRIS-PP-ET	USA 067106207	8K	100	C	202JE602			76	136	0.14	35	0.02	9	225	219	203	130	3.07
G	GOLDEN DOMINATE-ET	CAN 012344082	99K	100	F	94JE4062			77	294	0.05	23	0.02	14	191	182	162	118	2.96
G	ST-LO VIDEO-ET	CAN 110644826	99K	100	F	200JE1167			75	-116	0.22	38	0.09	14	239	216	162	135	3.25
G	ST-LO BARCELONA POLLEN	CAN 110150613	99K	100	C	551JE1720			74	382	0.04	27	0.02	18	203	192	169	129	2.99
G	SEXING KWYNN FURIOUS-ET	840003132351476	99K	100	F	551JE1716			76	-277	0.07	1	0.03	-5	147	138	119	109	2.79
G	RIVER VALLEY RICKI ROCKSTAR	840003126479237	99K	100	F	200JE10009			77	-489	0.13	1	0.05	-8	174	161	134	156	2.90
G	BW ARMISTICE-ET	USA 117795635	50K	100	C	44JE521			78	11	0.09	19	0.03	7	149	141	120	128	3.10
G	LOST-BROOKE HG LONESTAR	840003146779779	99K	100	F	94JE4161			76	-610	0.18	6	0.04	-14	151	144	129	135	3.01
G	AUDIBEL NOTEBOOK-ET	CAN 110059221	99K	100	F	551JE1694			73	-6	0.00	-1	0.03	6	121	115	99	111	3.20
G	BW ATLAS-ET	USA 117799901	50K	100	F	44JE520			79	636	0.01	33	-0.03	17	123	127	136	30	3.04
G	HOMETOWN MERCHANT ANDRETTI-ET	CAN 011295001	50K	100	C	91JE5453			78	641	0.05	40	0.02	27	131	121	96	38	3.09
G	SUNSET CANYON ACHILLES-ET	USA 173125047	45K	100	C	100JE7405			76	-697	0.15	-5	0.08	-10	-15	-32	-70	-60	3.01
G	KCJF HIRED MAGICIAN	840003138865447	99K	100	F	7JE1705			76	-1469	0.24	-25	0.09	-37	-59	-68	-91	12	3.08
G	TRIPLE-T-CF MR SWAGGER-ET	840003128791561	99K	100	F	7JE1605			77	-1593									

# Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI August 2019

PL	LIV	DPR	REL	CCR	HCR	EFI	JPI	Type Hds	Type Daus	Type REL	FS	ST	SR	DF	RA	RW	RL	FA	FU	RH	RWU	UC	UD	TP	TL	RTP RV	RTP SV	JUI
4.1	-0.3	-1.8	64	-1.6	1.6	6.9	138	0	0	76	1.6	1.2	-0.5	1.1	H0.4	0.5	S0.5	S0.5	2.7	1.2	0.8	0.3	S4.1	C0.8	S1.4	C0.3	C1.1	33.7
4.4	1.0	-0.3	67	-0.5	2.6	7.3	137	0	0	76	1.2	1.0	0.4	0.2	L0.3	0.1	P0.3	S0.4	1.3	0.9	0.2	0.4	S2.0	C0.3	L0.4	C0.2	B0.3	16.3
4.1	1.2	2.9	67	3.9	1.8	8.8	137	0	0	78	1.2	0.7	-0.2	0.5	L0.6	0.3	P0.4	S0.4	2.2	1.4	0.4	-0.4	S2.8	W0.1	S0.2	0.0	C0.4	21.1
4.7	0.7	0.2	63	0.2	2.7	6.9	137	0	0	75	1.5	0.4	0.2	0.3	H1.1	0.7	P0.7	S0.9	2.8	1.2	0.2	0.4	S2.8	C1.4	L0.3	C1.2	B0.8	26.5
4.0	-0.2	-0.9	68	-0.9	2.6	9.3	136	0	0	79	1.3	0.1	0.0	0.1	H0.1	0.3	S0.2	S0.4	2.6	1.1	0.1	-0.3	S2.6	C1.0	S1.0	0.0	C0.4	23.6
3.9	2.2	1.2	48	1.0	0.1	1.4	136	0	0	63	0.0	1.1	0.0	-0.4	H0.3	0.1	0.0	S1.0	2.3	0.9	-0.3	-0.2	S3.5	C0.9	L0.3	W0.5	C0.4	24.4
3.7	-2.4	-2.7	67	-2.2	1.7	7.4	135	0	0	77	1.6	1.9	0.6	1.1	H0.2	0.6	P0.4	S1.0	2.2	1.2	0.9	-0.3	S2.7	C0.3	L0.3	0.0	C0.3	20.3
5.1	-0.9	-1.6	64	-0.6	1.6	6.5	135	0	0	75	1.0	3.2	0.9	-0.1	L0.5	1.1	P0.3	S0.8	2.3	1.0	-0.1	-0.5	S3.2	W0.9	L0.6	W0.2	C0.5	19.4
2.7	0.0	-0.5	67	0.8	3.2	8.4	134	0	0	77	1.1	1.5	0.4	1.3	L0.9	0.2	P0.3	S0.1	0.0	1.3	1.0	0.3	S0.2	W0.5	L0.3	W0.8	C0.5	4.5
4.1	-0.5	0.8	64	1.5	2.3	7.9	133	0	0	76	1.3	0.5	-0.3	1.2	0.0	0.1	0.0	S0.3	1.3	1.5	0.9	-0.4	S1.4	W0.4	L0.1	C1.1	B0.1	11.8
3.0	1.1	-0.5	64	-0.6	0.1	7.9	132	0	0	75	2.0	1.9	0.8	1.0	H0.3	1.1	P0.6	S1.1	2.6	2.5	0.7	1.2	S2.6	C0.8	L1.0	C0.7	B0.2	29.7
2.4	-0.6	-1.7	61	-1.4	0.8	7.4	130	0	0	75	1.7	1.9	0.1	1.8	L0.7	0.2	S0.4	S0.3	0.9	1.7	1.3	0.7	S1.7	C0.9	L0.3	C0.8	0.0	18.1
3.8	0.3	-0.7	65	0.2	3.4	8.3	130	0	0	77	1.5	-0.8	-0.1	0.9	H0.9	-0.1	P0.7	S0.4	2.0	1.8	0.6	0.1	S1.5	C0.3	L0.2	C0.8	C0.1	17.6
2.6	0.2	-0.1	61	-0.5	2.0	7.3	129	0	0	74	1.5	0.5	-0.4	1.2	L0.8	-0.4	S0.6	S0.2	0.5	1.3	0.9	-0.1	S0.5	C0.4	0.0	C0.7	C0.2	7.3
2.3	0.6	-3.9	67	-4.0	0.5	8.9	128	0	0	78	2.1	0.8	-0.3	1.8	L0.6	-0.1	P0.1	S0.3	1.6	2.5	1.4	0.3	S2.1	C0.4	S0.1	C1.2	B0.3	22.5
4.6	0.3	-0.2	68	0.3	2.1	9.3	127	0	0	79	2.0	1.6	0.2	1.1	H0.2	0.7	P0.5	S0.7	2.5	1.3	0.9	0.4	S3.3	C1.4	S1.6	C1.4	C0.6	31.3
4.5	0.3	-1.6	65	-1.3	1.2	6.9	126	0	0	76	1.4	-0.1	-0.2	0.4	L1.1	-0.4	P0.9	L0.1	1.2	1.6	0.3	0.2	S1.8	W0.8	S0.4	W0.6	C0.5	16.1
3.8	1.5	-2.1	66	-2.2	1.6	8.0	126	0	0	76	1.6	1.4	0.2	1.5	L0.7	0.5	P0.4	S0.3	0.9	1.3	1.1	0.5	S1.2	0.0	L0.1	W0.2	C0.6	13.3
2.2	-0.1	-3.1	66	-3.1	1.0	8.8	125	0	0	77	1.8	1.7	0.0	1.6	L0.1	0.4	P0.1	S0.6	1.7	1.8	1.2	-0.2	S1.6	W0.1	L0.8	C0.2	C0.5	14.7
2.5	-1.0	0.1	54	2.3	1.8	2.9	125	0	0	69	0.1	1.1	0.1	0.4	L1.0	0.4	S0.6	L0.2	0.4	0.6	0.3	0.2	S1.6	C0.1	L0.8	W0.4	C0.6	9.5
4.0	1.5	4.1	55	4.7	3.7	2.9	125	0	0	69	-0.3	0.1	-0.8	-1.4	L0.4	-0.9	S0.4	S0.2	1.0	-0.1	-1.0	0.3	S2.4	W0.1	S0.1	W0.2	C0.1	14.4
4.7	1.6	-0.6	62	-1.1	1.8	8.5	124	0	0	75	1.7	0.6	0.0	1.3	L0.8	0.0	0.0	S1.2	1.6	1.2	1.0	1.0	S1.5	C1.7	S0.6	C0.6	C0.4	21.5
3.8	0.9	0.3	69	0.5	3.0	8.7	123	2	2	79	2.0	2.2	1.1	1.6	L0.5	1.2	0.0	S1.0	2.2	1.8	1.2	0.8	S1.9	C1.5	S0.7	C0.5	C0.4	25.7
4.2	2.3	0.6	68	0.3	2.1	7.5	123	0	0	77	1.1	1.5	0.9	0.7	0.0	0.8	0.0	S0.6	1.3	0.7	0.5	0.7	S1.7	0.0	L0.3	C0.4	C0.1	15.4
3.7	1.0	-1.3	66	-1.9	0.8	7.7	122	0	0	77	1.4	-0.9	-0.7	0.6	L1.0	-0.6	S0.1	L0.8	0.2	1.7	0.4	1.1	S0.6	C1.5	0.0	C1.9	B1.1	13.8
3.7	-0.2	-0.6	67	0.0	3.5	9.1	122	0	0	78	1.2	0.8	0.1	0.5	L0.5	0.1	0.0	S0.1	1.5	1.1	0.4	0.5	S1.9	W0.2	S0.5	C1.1	C0.3	18.2
2.9	0.2	-0.3	62	-0.9	-0.1	7.8	121	0	0	75	1.4	0.9	1.0	1.8	H0.1	0.7	S0.3	S0.5	0.4	1.6	1.3	0.7	D0.2	W0.2	L0.3	C0.1	C0.1	6.6
3.8	1.1	0.0	66	-0.1	1.7	8.3	121	0	0	77	2.1	1.2	0.4	0.7	H0.3	0.9	0.0	S0.6	3.0	1.6	0.6	0.9	S3.2	C1.7	S1.4	C0.4	C0.3	35.0
2.6	-0.3	-2.8	68	-2.5	-0.7	9.6	120	1	1	78	1.5	0.0	-0.2	1.3	L0.3	-0.5	P0.2	L0.2	1.9	2.3	0.9	-0.4	S1.9	C0.8	S0.1	C0.4	C0.1	19.6
2.7	-1.5	0.5	51	0.2	0.8	1.8	120	0	0	65	-0.7	0.0	0.4	-0.4	H0.5	0.3	0.0	S0.8	0.9	-0.3	-0.3	-1.1	S1.0	W1.4	S0.2	0.0	C0.1	0.5
2.6	-1.1	-1.0	66	0.6	2.8	8.0	119	0	0	77	1.5	0.7	0.4	1.2	L0.8	0.1	S0.3	S0.5	0.9	1.3	0.9	0.4	S0.9	C1.4	S0.6	0.0	C0.4	14.4
2.2	-1.2	1.1	53	2.9	1.5	1.9	118	0	0	68	0.0	0.1	0.3	0.4	H1.0	0.4	P0.1	S0.4	0.1	-0.1	0.3	-0.3	S1.1	W0.6	S0.4	W0.6	C0.7	3.7
3.0	0.6	-1.6	67	-1.5	1.1	8.1	116	0	0	78	1.9	2.5	1.1	1.6	L1.0	1.0	P0.1	S0.4	1.9	2.1	1.2	0.0	S1.9	C0.3	S0.2	C0.7	C0.8	20.2
1.9	-1.4	-2.4	65	-2.7	0.6	5.9	114	0	0	75	0.6	-0.2	0.0	-0.5	L0.1	-0.5	P0.3	L0.2	1.3	0.5	-0.3	0.2	S1.0	W0.3	L0.9	C0.3	C0.5	8.4
2.9	-1.7	-3.8	64	-3.7	0.2	8.0	112	0	0	76	1.1	0.4	-0.4	0.8	H0.2	-0.1	P0.3	L0.1	1.4	1.1	0.6	-0.3	S1.4	C0.4	S0.3	C0.8	C0.7	13.0
4.4	3.4	2.5	66	2.8	2.6	8.6	110	0	0	77	1.3	0.7	0.6	0.2	H0.2	0.7	P0.5	S0.5	2.0	1.4	0.2	0.1	S1.9	C0.3	L0.2	C0.1	C0.1	18.3
2.5	-1.3	-0.5	66	-0.2	2.9	7.3	109	0	0	77	1.4	-0.1	0.1	0.8	L1.1	-0.1	S0.7	0.0	0.9	1.8	0.6	0.1	S1.2	W0.2	0.0	W0.2	C0.1	12.8
2.1	-1.3	-1.2	70	-0.7	2.3	8.3	109	3	4	80	1.4	0.3	-0.2	0.7	0.0	-0.2	S0.2	S0.3	1.6	1.0	0.5	1.1	S1.8	C1.2	L0.7	C1.2	B0.1	19.9
2.1	-1.8	-1.6	66	-0.9	-0.6	7.8	108	0	0	77	1.5	2.2	0.9	1.7	H0.6	1.3	S0.5	S0.6	0.8	1.3	1.3	0.0	S0.7	W0.1	L1.5	W0.3	B0.4	6.5
0.8	-2.9	-3.9	66	-5.1	-2.0	8.4	108	0	0	77	1.8	0.9	-0.2	1.1	H0.3	0.3	P0.9	S0.5	2.3	1.8	0.8	-0.1	S1.8	C0.6	L0.5	C1.1	C0.6	19.0
5.2	2.9	1.1	64	1.1	-0.1	8.3	103	0	0	76	2.5	2.7	-0.3	1.0	H1.1	1.1	P0.8	S1.8	4.1	2.2	0.7	1.1	S5.3	C1.3	L0.7	C1.4	C0.3	46.0
3.4	0.4	-2.0	67	-1.6	2.4	8.1	100	0	0	78	1.4	-0.1	-1.2	1.7	H0.2	-0.3	S0.3	S0.4	1.2	1.5	1.3	0.7	S1.8	W0.2	S0.6	0.0	B0.1	19.0
4.3	0.7	-0.7	68	-1.0	1.1	9.8	94	0	0	78	2.3	1.1	-0.3	1.2	H0.1	0.4	P0.6	S1.3	2.8	2.0	0.9	1.1	S2.9	C1.3	L0.3	C0.6	C0.5	31.7
4.2	-0.1	-3.3	67	-3.9	1.7	8.9	91	0	0	78	2.8	1.7	0.3	1.4	L0.5	0.6	P0.9	S0.9	3.4	2.8	1.1	0.8	S3.5	C2.2	S0.2	C0.9	B0.4	38.9
1.1	-1.7	-1.9	56	-0.7	2.9	5.3	90	0	0	70	0.7	2.1	0.5	0.5	H0.5	1.0	S0.1	S0.1	1.5	0.6	0.4	-0.7	S2.4	W0.7	S0.2	C0.2	C0.4	13.4
3.1	-1.3	-0.4	63	0.5	2.6	6.7	90	0	0	73	1.5	2.0	0.7	0.8	H0.3	1.0	0.0	S0.6	2.0	0.8	0.6	0.7	S2.6	C0.7	S0.3	C1.1	B0.6	23.6
2.6	0.5	-3.3	67	-3.6	-1.5	8.9	87	2	2	79	2.0	1.9	0.5	1.6	0.0	1.1	P0.6	S0.9	1.7	1.3	1.2	0.9	S2.8	C1.0	S0.8	C1.0	0.0	27.0
2.1	-0.3	-3.4	66	-4.1	0.1	8.5	85	0	0	77	1.4	0.8	0.2	0.6	L0.1	-0.4	P0.2	L0.2	1.6	1.7	0.4	0.2	S2.0	W0.1	L1.4	W0.3	B0.2	16.4
2.7	-0.5	-3.1	61	-2.8	-0.1	7.9	84	0	0	74	1.6	1.4	0.6	0.8	L0.2	0.4	S0.1	S0.3	1.9	1.8	0.6	0.2	S2.4	C0.1	S0.2	C0.2	B0.2	22.1
2.5	-1.2	-2.2	67	-2.9	0.4	9.4	83	0	0	78	0.9	1.0	-0.5	0.8	L1.3	0.3	S0.3	L0.1	1.1	0.4	0.6	-0.4	S2.4	C1.1	S0.6	C0.3	C0.2	15.8
0.5	-5.1	-0.7	63	-1.5	-2.1	5.5	76	0	0	75	0.7	0.6	-0.4	0.9	H0.3	0.3	P0.2	S0.2	0.3	1.5	0.7	0.0	S0.3	C0.5	L1.0	C0.7	B0.3	5.2
3.6	-0.7	-3.6	66	-4.1	-0.5	8.4	73	0	0	77	2.2	-0.3	-0.5	1.6	H0.8	-0.1	P0.5	L0.1	2.8	2.2	1.2	-0.1	S3.4	C1.4	S1.4</			