

Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI April 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 PEAK ALTAMONTRA (6)-ET	840003140986383	99K	100	F	11JE1369			75	1387	0.09	84	0.08	67	689	647	558	561	2.99
G	JX FARIA BROTHERS BUTKUS (4)-ET	840003144724624	99K	100	F	614JE1712			72	793	0.28	96	0.09	48	718	677	589	592	2.91
G	JX PVF WC ZINC (5)-ET	USA 119966684	99K	100	F	1JE1074			75	487	0.27	77	0.12	41	690	644	547	580	2.86
G	PINE-TREE DECADE (6)-ET	USA 067671553	99K	100	F	200JE1163			75	493	0.20	64	0.11	39	690	647	556	577	2.81
G	CAL-MART WESTPORT (6)-ET	USA 067374603	99K	100	F	29JE4117			75	571	0.26	79	0.11	42	697	653	559	562	2.81
G	JX KASH-IN GOT JIGGY (6)-ET	840003138463636	99K	100	F	551JE1717			73	1197	0.05	68	0.05	54	662	627	554	541	2.72
G	JX AVI-LANCHE VICEROY DASHIELL (6)-ET	840003131412772	99K	100	C	507JE1722			75	1252	0.07	75	0.06	58	689	655	582	581	2.96
G	DUTCH HOLLOW MIGHTY-ET	840003131737628	99K	100	F	29JE4079			77	910	0.21	86	0.13	59	670	615	498	501	2.82
G	JX FARIA BROTHERS ALTAZIDANE (4)-ET	840003149514358	99K	100	F	11JE1379			75	843	0.14	69	0.08	46	661	624	547	574	2.86
G	JX RIVER VALLEY CHIEF (6)-ET	USA 075341195	99K	100	F	200JE10034			73	1384	0.03	73	0.01	51	615	597	560	521	2.88
G	JX LYLESTANLEY ALTAHASHTAG (5)-ET	USA 173297636	99K	100	F	11JE1393			74	852	0.11	64	0.09	50	656	614	524	525	2.89
G	JX PEAK ALTAATHLETE (6)-ET	840003145378375	99K	100	F	11JE1370			75	672	0.12	56	0.10	45	609	564	469	493	2.77
G	JX FOREST GLEN AMSTERDAM (6)-ET	USA 067650245	99K	100	F	7JE1684			73	1520	-0.08	56	0.02	59	592	566	511	462	2.77
G	HILMAR VICEROY MIAMI	USA 172552682	99K	100	F	7JE1657			76	1256	-0.02	55	0.03	52	612	587	533	525	2.90
G	JX DUPAT JLS STRMCLD DORSAI (5)-ET	840003141725606	45K	100	F	147JE6229			72	1342	-0.02	68	0.01	51	631	611	571	532	2.92
G	ALL LYNNS LISTOWEL DALTON-P-ET	USA 173175006	99K	100	F	29JE4137			75	994	0.03	53	0.05	46	604	573	509	552	2.79
G	JX FOREST GLEN FRISCO TODD (6)	USA 067650310	99K	100	C	29JE4126			72	1431	0.00	67	0.05	63	614	580	507	454	2.94
G	JX FARIA BROTHERS FRANCESA (5)-ET	840003144724310	99K	100	C	1JE1088			73	1334	0.05	73	0.06	61	624	585	504	437	2.77
G	JX LUCKY HILL WHAMBAM (5)-ET	USA 172977801	99K	100	F	200JE1160			77	1446	0.04	78	0.03	59	631	603	545	447	2.89
G	JX ABS TLD CASSELL (5)-ET	840003146074480	99K	100	F	29JE4125			76	1266	0.12	86	0.06	58	638	604	531	487	2.93
G	JX PINE-TREE AROUND (5)-ET	USA 067731469	99K	100	F	1JE1075			75	734	0.19	73	0.12	50	650	605	506	501	3.00
G	JX PEAK ALTAGRAPPLE (5)-ET	840003147840033	99K	100	F	11JE1382			75	1354	-0.01	62	0.06	62	576	540	464	494	2.96
G	JX AHLEM FRISCO PINE (6)-ET	USA 067823956	99K	100	F	7JE1699			74	663	0.12	56	0.10	44	588	547	460	517	2.92
G	SUN VALLEY JENIUS (6)	USA 172636645	99K	100	F	200JE1164			76	406	0.19	57	0.14	43	607	555	442	515	2.89
G	JX PEAK ALTAJERICO (5)-ET	840003147839997	99K	100	F	11JE1396			75	1090	0.03	57	0.06	51	563	530	461	485	2.85
G	JX CO-OP WC MR CHAVEZ (4)-P-ET	840003146960075	99K	100	F	1JE5000			75	566	0.23	73	0.08	37	655	623	551	543	2.98
G	JX FOREST GLEN GOT MAID DANIEL (6)-ET	USA 067650254	99K	100	F	14JE1683			72	1499	-0.10	50	0.02	59	572	547	495	480	2.91
G	JX LOVES OCTAVIUS (6)-ET	USA 172979241	99K	100	F	200JE1159			75	894	0.18	80	0.13	59	623	573	463	476	3.09
G	PROMETEDOR LOOT-ET	USA 067119938	99K	100	F	200JE1138			76	1075	0.20	92	0.12	63	665	620	517	507	3.20
G	JX FOREST GLEN ALTO (6)-ET	USA 067650279	99K	100	F	29JE4119			73	1359	-0.05	54	0.02	54	572	546	492	436	2.77
G	JX AJ GARNETT GROVER (4)-ET	USA 067443778	99K	100	F	29JE4145			72	1169	0.10	76	0.04	51	643	617	562	544	3.02
G	JX AHLEM FRISCO ADAMA (6)	USA 067823967	99K	100	F	7JE1719			73	1241	-0.02	55	0.05	55	599	566	498	453	2.82
G	FARIA BROTHERS ZACH LOWE (6)-ET	840003144724385	99K	100	F	29JE4136			72	659	0.24	81	0.10	45	629	584	489	510	2.81
G	ALL LYNNS DEMOS-P-ET	USA 173162305	99K	100	F	200JE1178			76	990	0.04	56	0.04	44	584	558	503	510	2.86
G	OAKLANE DAZZLER DISCO 2127-ET	USA 067742127	99K	100	F	7JE1528			76	564	0.10	47	0.04	28	583	559	512	510	2.73
G	PROGENESIS SKYLER-ET	CAN 012672209	99K	100	F	200JE1132			76	1209	0.15	88	0.01	46	653	636	600	518	2.93
G	JX FOREST GLEN BALTAZAR AMORE (6)-ET	USA 067650232	99K	100	F	29JE4105			76	1189	-0.08	39	0.02	46	543	522	480	448	2.81
G	JX RIVER VALLEY BRAVO (6)-ET	USA 067861243	99K	100	C	200JE10040			72	1593	-0.05	66	0.03	64	577	548	486	400	2.86
G	JX ABS TLD LACTOSE (5)-ET	840003146074479	99K	100	F	29JE4124			75	1483	0.02	74	0.05	64	603	570	499	453	2.93
G	PEAK ALTAVICE (6)-ET	840003147839950	99K	100	F	11JE1381			75	1750	-0.07	69	0.01	64	592	571	529	487	2.93
G	JX CAL-MART COTTAGE (5)-ET	USA 067374614	99K	100	F	29JE4118			75	637	0.17	65	0.09	42	573	531	442	463	2.74
G	PROGENESIS COMPLETELY-ET	124 109902120	99K	100	C	200JE1116			75	1605	0.00	77	0.02	62	606	585	538	493	3.08
G	JX FARIA BROTHERS ASENSIO (4)-ET	840003140305961	99K	100	F	551JE1710			76	1028	0.13	75	0.11	60	601	553	450	467	2.99
G	JX FARIA BROTHERS MINKO (5)-ET	840003144724318	99K	100	C	1JE1089			73	819	0.17	73	0.11	52	615	568	468	450	2.89
G	FOREST GLEN BANCROFT TATE	USA 067650143	99K	100	F	29JE4087			76	1160	0.01	58	0.02	46	569	550	509	525	2.95
G	JX AVI-LANCHE DISCO METAL (5)-ET	840003131412301	99K	100	F	7JE1694			72	587	0.03	35	0.05	32	553	525	468	495	2.80
G	JX ABS TLD LECHE (5)-ET	840003146074477	99K	100	F	29JE4123			75	1768	-0.06	71	0.00	64	583	562	518	446	2.85
G	LEGENDAIRY BOURBON-ET	USA 119729720	99K	100	F	200JE1105			77	1330	0.07	78	0.06	61	588	555	483	435	3.07
G	JX FARIA BROTHERS ALTAZIZIC (4)	840003140371297	99K	100	F	11JE1348			76	1255	0.09	78	0.06	57	588	552	478	461	2.81
G	JX FARIA BROTHERS KAWHI (4)	840003144724398	99K	100	F	97JE180			76	1758	-0.10	63	0.03	70	529	494	424	351	2.70
G	JX SANDCREEKS D STEVENS PARAGUAY	840003144012326	45K	100	F	566JE105			72	981	0.07	61	0.07	49	582	548	475	449	2.87
G	PROMETEDOR MADISON-ET	USA 067299614	99K	100	F	200JE1139			76	863	0.19	81	0.08	48	587	549	468	422	2.91
G	JX FOUR J MESSI MELLY (6)	840003142841125	99K	100	F	551JE1739			75	706	0.27	88	0.11	48	628	585	492	445	3.04
G	OAK LANE COMANCHE COHORT-ET	USA 067742177	99K	100	F	97JE169			77	974	0.05	57	0.03	41	572	551	506	483	2.91
G	JX AHLEM BALTAZAR FIRESTAR (6)-ET	USA 067823730	99K	100	F	7JE1662			76	1044	-0.03	44	0.04	46	527	501	447	474	2.90
G	FOREST GLEN KALAHARI	USA 067650122	99K	100	F	29JE4073			76	767	0.08	52	0.10	49	564	524	435	465	3.10
G	DP KILOWATT AMP-ET	USA 172581329	99K	100	F	7JE1628			76	843	0.05	51	0.06	42	555	528	470	517	3.02
G	AHLEM KWYNN RESPECT-ET	USA 067823687	99K	100	F	7JE1638			77	706	0.15	64	0.05	35	532	503	444	394	2.69
G	RIVER VALLEY CIRCUS CRAZE-ET	USA 075341001	99K	100	F	200JE10001			77	789	0.09	56	0.02	33	581	563	527	507	2.89
G	RIVER VALLEY CHARLEY CHEDDAR-ET	840003133234557	99K	100	F	7JE5069			76	1333	0.07	78	0.05	58	598	570	508	478	3.05
G	SUN VALLEY MARCIN JERONIMO-ET	USA 119873803	99K	100	F	14JE1626			77	1286	-0.04	53	0.05	56	573	542	478	408	2.91
G	JX TLJ MOTOR (6)-P-ET	USA 067273623	99K	100	F	200JE1162			76	1240	-0.07	45	0.04	54	542	512	449	399	2.87
G	JX AVI-LANCHE RONALDO DEDE (4)-ET	840003131412485	99K	100	C	29JE4108			75	1203	-0.05	47	0.04	52	540	508	444	406	2.72
G	JX DUPAT DISCO BENELLI (6)-ET	840003141725638	99K	100	F	7JE1724			73	1165	-0.05	45	0.01	43	543	526	494	439	2.85
G	JX FARIA BROTHERS MAHREZ (5)-ET	840003144724308	99K	100	F	551JE1737			75	854	0.07	56	0.05	42	561	531	468	467	2.84
G	PROGENESIS DANCER-ET	CAN 110129621	99K	100	F	200JE1111			75	1454	0.09	88	0.02	57	611	591	548	467	3.12
G	RIVER VALLEY MAC MERIT-P-ET	USA 075341167	99K	100	F	200JE10030			75	812	0.17	74	0.08	46	574	539	463	469	3.01
G	JX SANDCREEK SOLDIER (4)-ET	840003134637613	99K	100	F	1JE1098			73	794	0.12	62	0.06	41	560	532	472	483	3.01
G	ISDK VJ DONGSGAARDEN HUPI HUCK	DNK 000304157	50K	100	F	236JE221			72	-93	0.26	47	0.18	32	561	500	370	485	2.77
G	JX FARIA BROTHERS ALTAGRONK (4)-ET	840003135124429	99K	100	C	11JE1339			74	1195	0.09								

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PL	LIV	DPR					Type Hds	Type Daus	Type REL	FS	ST	SR	DF	RA	RW	RL	FA	FU	RH	RUW	UC	UD	TP	TL	RTP RV	RTP SV	JUI	
		REL	CCR	HCR	EFI	JPI																						
3.9	-1.6	-0.9	64	0.8	2.8	7.8	205	0	0	76	1.7	0.8	0.8	0.6	L0.3	0.5	S0.3	S0.5	2.3	1.1	0.5	0.5	S1.4	C0.7	L0.2	0.0	C0.5	18.2
4.8	-0.2	-0.3	58	0.8	1.8	6.6	202	0	0	73	1.6	0.3	-0.2	1.4	L0.3	0.0	S0.7	L0.1	0.7	1.1	1.0	0.5	S0.9	C0.3	S0.1	C1.0	0.0	11.5
5.2	2.3	0.7	60	1.3	2.8	7.2	201	0	0	74	1.6	1.6	0.2	1.7	H0.5	0.8	S0.1	S0.3	1.9	1.1	1.3	0.5	S2.1	C1.5	S0.3	C1.2	B0.7	22.2
7.1	3.0	0.9	60	1.6	3.1	7.7	200	0	0	74	1.3	1.2	0.3	0.6	H0.9	1.0	P0.9	S1.5	2.9	0.7	0.4	0.4	S3.0	C1.4	S0.1	C1.4	C0.1	27.0
6.1	1.3	-0.1	59	-0.2	3.1	7.2	197	0	0	73	1.3	0.4	0.1	0.7	H0.1	0.5	P0.4	S0.5	2.4	1.2	0.5	-0.3	S1.8	C2.0	0.0	C1.1	B0.2	19.4
5.7	0.2	-0.3	63	0.6	2.9	8.8	196	0	0	75	1.2	0.6	0.5	1.3	H0.3	0.3	P0.5	S0.7	1.2	0.8	1.0	0.5	S0.8	C0.3	L0.1	C0.3	C0.3	11.4
5.7	1.2	0.5	59	1.6	3.2	5.6	195	0	0	75	1.2	1.6	1.3	0.6	L0.2	1.4	S0.2	S0.7	1.6	0.7	0.4	0.3	S1.1	C0.4	L0.3	C0.9	B0.4	12.5
3.9	-1.0	-1.6	66	-1.7	1.8	9.3	192	0	0	78	0.9	0.2	0.8	0.2	H0.4	0.9	P0.6	S0.3	1.2	-0.2	0.2	0.5	S0.7	C1.4	S0.2	C1.2	C0.1	10.1
5.9	1.1	1.5	61	1.1	2.8	7.8	192	0	0	75	1.2	1.3	0.5	1.0	H0.2	0.9	P0.5	S0.5	1.9	0.8	0.8	0.1	S1.5	C0.8	S0.3	C1.1	B0.1	16.2
4.8	-1.7	-0.5	61	0.2	2.9	7.8	189	0	0	75	2.1	0.6	-0.4	2.2	L0.8	-0.2	S0.3	L0.3	1.0	2.6	1.6	1.2	S0.7	C1.2	L0.2	C1.3	B0.2	18.8
5.6	2.3	-0.1	58	0.3	1.7	6.1	187	0	0	73	1.7	2.5	1.1	1.0	H0.4	1.5	P0.6	S0.9	2.8	1.5	0.7	-0.1	S2.5	C0.7	L0.7	C1.3	B0.2	22.5
6.0	0.6	0.1	60	0.9	3.6	8.0	187	0	0	74	1.3	-0.4	-0.7	0.7	H0.3	-0.2	S0.2	S0.1	1.7	0.9	0.5	0.2	S1.2	C1.2	S0.3	C0.6	B0.1	15.4
5.2	0.0	-1.4	60	0.0	1.8	7.9	185	0	0	74	1.2	-0.4	-0.1	1.1	L0.3	-0.4	P0.3	S0.4	0.9	0.9	0.8	0.8	S0.7	C1.4	S0.2	C1.0	C0.3	13.3
6.1	0.7	0.6	65	1.9	2.1	9.2	185	0	0	77	1.5	-0.2	0.4	0.9	H0.2	1.0	P0.5	S0.6	2.3	1.4	0.7	0.2	S1.4	C1.7	S0.4	C0.9	C0.4	20.1
5.5	1.7	0.2	57	0.3	2.2	7.0	185	0	0	73	1.2	0.3	-0.1	1.3	L0.2	-0.1	S0.7	0.0	1.0	0.9	1.0	0.7	S0.6	C0.8	S0.1	C1.4	C0.5	11.9
5.2	1.9	2.1	62	3.1	3.5	8.2	184	0	0	76	1.4	1.2	0.6	1.5	H0.2	1.0	0.0	S1.1	1.3	0.5	1.1	0.3	S0.8	C1.0	S0.5	C1.2	C0.3	12.0
4.5	-1.1	-2.3	60	-1.9	0.3	7.4	183	0	0	74	1.4	-0.1	0.1	0.3	H0.4	0.1	P0.7	S0.8	2.4	1.5	0.2	0.2	S2.1	C1.0	L0.1	C0.1	C0.1	22.0
3.7	-0.6	-3.3	59	-2.4	0.1	6.7	183	0	0	73	1.7	0.9	0.6	0.7	H0.1	0.6	P0.6	S0.7	2.3	1.7	0.6	0.1	S2.3	W0.3	L0.6	C0.4	C0.3	20.4
4.3	-1.1	-3.5	65	-3.3	0.6	8.2	183	0	0	78	1.9	0.6	-0.6	1.6	L1.0	-0.6	S0.2	S0.1	1.3	2.5	1.2	0.1	S1.7	C0.7	L0.6	0.0	C0.8	18.3
3.8	-3.4	-2.7	64	-0.4	1.9	7.4	183	0	0	76	1.6	0.3	0.3	1.3	H0.7	0.2	P0.7	S0.8	1.8	1.6	1.0	0.4	S1.5	C0.2	L0.9	W0.1	0.0	16.5
5.0	0.4	-1.3	59	-0.6	2.7	6.7	183	0	0	73	1.9	1.2	0.7	1.5	H1.2	1.3	P0.7	S1.2	2.2	1.8	1.2	0.7	S1.0	C2.7	0.0	C0.9	B0.5	21.7
2.8	-2.6	-0.4	63	1.1	4.9	7.1	182	0	0	74	1.5	-0.6	0.1	1.3	H1.0	0.1	P0.7	S0.8	1.3	1.2	1.0	0.6	S0.4	C1.0	L0.1	C0.5	C0.1	12.2
5.0	-0.7	1.2	63	2.1	3.9	9.4	182	0	0	76	2.0	2.4	0.6	0.9	L0.1	0.9	P0.2	S1.3	2.5	1.8	0.7	0.9	S3.1	C1.0	L0.4	C0.1	C0.3	29.9
4.9	1.7	1.0	60	2.3	5.6	7.4	181	0	0	74	0.9	1.6	0.9	0.5	H0.8	1.4	P0.4	S1.1	2.7	0.4	0.4	0.2	S1.8	C2.1	L0.4	C1.1	C0.1	19.6
4.5	-1.6	0.0	62	2.6	5.5	7.0	180	0	0	73	0.8	-0.9	-0.6	0.6	H0.5	-0.4	P0.1	S0.1	1.1	0.7	0.4	0.3	S1.1	C0.5	L0.1	C0.5	C0.1	11.9
6.2	2.8	0.3	60	0.6	3.5	7.0	180	0	0	73	1.4	1.4	0.3	1.6	H0.2	0.8	S0.4	S0.6	1.5	1.2	1.2	0.6	S1.3	C1.2	0.0	C1.5	B0.4	17.2
4.6	1.1	-0.1	57	1.2	2.9	6.7	179	0	0	73	1.4	0.5	0.5	0.9	L0.7	-0.2	P0.1	S0.6	0.9	0.8	0.7	0.7	S1.3	C0.9	S0.1	C1.0	C0.3	14.6
2.4	-1.6	-2.0	63	-0.7	1.7	8.5	179	0	0	75	2.0	1.3	0.8	1.7	0.0	0.7	S0.4	S0.8	1.9	2.2	1.3	0.7	S1.7	C0.3	L1.0	W0.3	B0.2	20.4
3.3	-1.6	-1.8	64	-1.1	0.0	8.2	178	0	0	76	1.5	2.2	1.0	1.4	L1.0	1.0	S0.3	S0.4	0.8	2.0	1.0	0.6	S0.9	W0.8	L0.4	W0.7	C0.4	12.3
5.1	1.2	-1.5	60	-0.4	1.7	7.9	178	0	0	74	1.3	0.8	0.3	1.1	L0.7	-0.1	S0.5	S0.2	1.6	0.9	0.8	0.3	S1.8	C1.2	S0.4	C1.0	C0.3	18.4
4.6	0.5	0.1	59	0.6	0.8	6.8	178	0	0	73	1.5	1.0	0.8	1.5	H0.3	0.5	P0.6	S0.9	1.6	1.4	1.1	0.4	S0.8	C1.2	L0.9	C1.3	0.0	13.5
5.8	0.2	-1.5	62	-0.6	1.1	8.6	177	0	0	75	1.6	1.0	0.3	0.7	L0.3	0.5	P0.3	S1.1	2.1	1.5	0.5	0.3	S2.2	C0.4	L1.0	C0.6	C0.7	19.9
4.5	-1.3	-0.1	58	0.1	1.7	6.1	177	0	0	73	0.9	1.2	0.5	0.4	L0.8	0.7	S0.2	S0.3	1.2	1.0	0.3	0.1	S1.1	C0.3	L0.2	C0.4	C0.4	11.4
5.2	1.9	1.0	62	2.0	3.0	9.0	177	0	0	76	1.5	0.4	0.6	0.9	L0.4	0.4	S0.3	S0.4	1.7	0.9	0.7	0.5	S1.3	C1.5	S0.7	C1.2	C0.3	18.1
6.9	3.0	1.3	64	1.7	3.3	8.7	177	0	0	77	1.8	1.3	0.2	1.2	H1.0	0.7	P0.7	S1.6	3.2	1.2	0.9	0.7	S3.1	C1.6	S0.3	C0.7	C0.9	31.5
4.6	0.9	-1.7	64	-0.7	1.6	8.1	176	0	0	77	1.6	1.1	0.5	1.5	L0.8	0.5	P0.6	S0.5	1.1	1.8	1.1	0.4	S1.0	W0.4	S0.1	W0.2	C0.1	13.7
5.5	1.8	-0.5	62	1.2	3.2	8.0	176	0	0	75	2.0	-0.2	-0.2	1.2	H0.6	0.0	P0.5	S0.8	2.5	2.1	0.9	1.0	S2.5	C0.6	L0.5	C0.9	B0.1	27.7
3.8	-2.6	-3.8	60	-2.6	0.8	8.0	175	0	0	74	1.8	0.7	0.6	0.9	H0.4	0.4	P0.9	S1.3	2.8	1.6	0.7	0.6	S2.5	C0.9	L0.8	W0.3	C0.3	25.6
3.5	-1.4	-2.4	63	-0.6	2.0	6.8	175	0	0	76	1.0	0.8	0.7	0.4	L0.2	0.0	P0.7	S0.5	0.9	0.5	0.3	0.4	S1.2	C0.5	L0.8	0.0	0.0	10.2
3.7	-0.4	-0.9	63	0.5	3.6	7.2	174	0	0	76	1.0	1.3	1.3	0.5	L0.4	1.1	P0.1	S0.3	1.3	0.4	0.4	0.0	S0.6	C0.7	L0.6	C0.6	B0.1	7.4
3.6	-0.5	-0.6	62	0.8	2.1	6.5	174	0	0	73	1.4	1.0	0.3	0.8	H0.6	0.5	P0.3	S0.6	2.3	1.5	0.6	0.3	S2.3	C0.6	L0.6	C0.5	C0.6	21.8
3.3	-0.4	-1.1	63	-0.4	0.8	7.6	173	0	0	75	1.0	-0.1	0.0	1.4	L1.5	-0.3	P0.1	L0.4	-0.2	1.8	1.0	1.0	D0.6	W0.6	L0.2	C0.2	C0.4	4.4
3.2	-2.1	-1.2	61	-0.3	1.8	6.9	173	0	0	74	1.1	1.9	0.7	0.9	L0.9	0.4	P0.1	S0.3	1.1	0.9	0.7	-0.2	S1.2	W0.3	S0.1	W0.3	C0.1	10.0
4.3	-0.3	-2.2	60	-0.7	1.6	7.2	173	0	0	74	0.9	0.0	-0.2	0.6	H0.5	0.2	P0.1	S0.3	1.5	0.7	0.5	-0.4	S1.5	W0.4	L0.7	C0.4	C0.3	9.7
4.0	1.3	1.0	62	3.3	5.8	7.2	173	0	0	76	1.0	1.0	-0.9	1.7	L1.1	-0.6	S0.4	S0.1	-0.2	1.3	1.3	-0.1	S0.7	W1.1	S0.3	C0.2	B0.3	4.8
6.7	4.0	2.0	58	2.9	3.6	7.2	173	0	0	73	1.6	1.5	0.2	1.2	L0.1	0.6	P0.3	S1.2	2.0	1.4	0.9	1.1	S2.2	C1.4	S1.0	C1.2	C0.1	26.9
3.8	-2.4	-2.4	64	-0.8	1.7	7.3	172	0	0	76	1.4	0.5	0.5	1.1	L0.2	-0.2	P0.3	S0.3	0.8	1.1	0.9	0.6	S0.6	W0.2	L1.3	0.0	0.0	7.9
2.6	-2.4	-2.8	66	-2.2	0.2	9.1	171	0	0	78	2.1	1.5	-0.5	2.5	L1.2	0.0	P0.1	L0.1	0.8	2.6	1.9	0.4	S0.7	C0.6	0.0	W0.4	C0.4	14.7
2.4	-1.1	-1.4	64	-0.7	1.3	5.9	171	0	0	75	0.9	1.4	1.3	0.5	L0.4	0.7	P0.3	S0.5	1.6	0.4	0.3	0.4	S0.9	C0.4	L1.2	C1.4	C0.4	9.8
2.0	-3.1	-4.4	65	-2.3	2.3	7.2	170	0	0	76	1.5	0.3	0.8	0.9	L0.7	0.0	P0.1	S0.3	1.4	1.1	0.7	0.5	S0.9	C0.8	L0.4	C0.5	C0.3	13.3
4.1	-0.6	-1.6	60	-1.3	1.3	7.5	170	0	0	73	1.5	0.2	0.3	0.7	H1.1	0.3	P1.3	S1.5	3.3	2.4	0.5	-0.2	S2.9	W0.7	L1.2	W0.3	B0.5	25.1
2.9	-1.9	-3.1	64	-1.7	-0.2	7.8	170	0	0	76	2.3	2.9	0.0	2.0														

Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI April 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	PINE-TREE ALTAFULLBLD-ET	USA 067731422	99K	100	F	11JE1352			76	1001	0.08	64	0.07	50	554	521	449	429	2.96
G	ROC-BOT IMPLICATE (4)	USA 075211012	99K	100	F	200JE1099			77	1066	0.02	55	0.03	44	542	518	469	375	2.80
G	JX FARIA BROTHERS ALTASMARK (4)	840003140371373	99K	100	F	11JE1350			76	1333	0.03	69	0.05	58	548	521	461	448	3.10
G	JX ABS CHAPMAN (4)-ET	840003135245979	99K	100	F	29JE4078			75	1210	-0.04	50	0.04	52	506	478	418	432	2.86
G	JX FARIA BROTHERS BILL RUSSELL (4)	840003135124397	99K	100	F	29JE4068			76	1462	-0.03	64	0.00	52	516	499	465	415	2.83
G	TOG LISTOWEL QUARTZ-ET	840003140986505	99K	100	F	7JE1650			76	1142	-0.01	52	0.04	50	524	495	436	392	2.86
G	JX FARIA BROTHERS COUTINHO (4)-ET	840003140305996	99K	100	F	551JE1711			75	594	0.23	74	0.08	38	575	539	462	420	2.83
G	CAL-MART BARRICADE	USA 067384455	99K	100	F	29JE4044			76	422	0.20	61	0.11	38	543	497	401	450	2.78
G	RIVER VALLEY MAC MODEL-ET	USA 075341177	99K	100	F	200JE10032			76	303	0.27	68	0.12	34	527	483	391	414	2.86
G	VERJATIN FARMFEST-ET	CAN 110768695	99K	100	F	250JE1687			72	715	0.04	42	0.04	33	524	502	457	426	2.85
G	JX FARIA BROTHERS BAMBA (5)-ET	840003144724690	99K	100	F	614JE1713			74	538	0.19	64	0.06	32	553	524	464	475	2.86
G	JX BW COUNTDOWN (5)-ET	840003131148667	99K	100	F	551JE1667			77	1177	-0.04	47	0.03	49	498	473	420	404	2.85
G	JX AHLEM DETERMIN CHAUNCY (6)	USA 067823330	99K	100	F	7JE1598			76	1082	-0.02	47	0.01	40	500	484	453	423	2.83
G	TOG ALTBALITZ AMES-ET	840003139851986	99K	100	F	14JE1647			76	309	0.21	57	0.09	29	554	518	443	447	2.82
G	JX AHLEM HARRIS RAZARRI (5)	USA 067823001	99K	100	F	11JE1308			77	1987	-0.09	75	0.00	72	534	513	469	338	2.98
G	JX SEXING VALIDATE 60883 (5)-ET	840003010364630	13K	100	F	551JE1643			77	1653	-0.04	71	0.00	60	542	522	481	381	2.86
G	AHLEM CHILI CHARMER	USA 074067595	99K	100	F	29JE4009			77	587	0.15	59	0.10	41	536	496	410	435	2.90
G	JX ALL LYNNS HARRIS VALI (5)	USA 172966184	45K	100	C	321JE101			75	1452	0.01	71	0.05	62	494	462	393	305	2.88
G	JX FARIA BROTHERS ALTANOWITZKI (4)	840003135124160	99K	100	F	11JE1334			76	1584	-0.09	55	0.01	60	504	478	426	368	2.74
G	JX SANDCREEKS RONALDO MATEO (4)-P-ET	840003144012332	99K	100	F	29JE4146			76	1234	-0.03	53	0.02	49	506	483	435	379	2.82
G	AHLEM WHISTLER-ET	USA 067823718	99K	100	F	200JE1140			76	1017	-0.02	45	0.00	37	503	488	459	403	2.80
G	ISDK VJ GYVELBORG HIHL GYVEL	DNK 000304163	50K	100	F	236JE223			73	148	0.20	46	0.12	29	526	482	388	459	2.77
G	JX SEXING DAYBREAK CHICO (6)-ET	840003132349950	99K	100	F	551JE1668			76	1193	-0.05	47	0.05	53	505	477	416	382	2.99
G	JX FARIA BROTHERS BRAD (4)-ET	840003144724520	99K	100	F	14JE1711			72	1047	0.03	57	0.03	43	520	499	455	423	2.89
G	ISDK VJ BALSLEV LOBO CHOKO	DNK 000304568	6K	100	F	236JE4568			66	17	0.39	78	0.17	34	572	519	401	460	3.01
G	ISDK VJ ADELGAARD HOVE SAMSON	DNK 000304415	50K	100	F	236JE257			72	195	0.30	69	0.13	33	564	516	415	458	2.83
G	MFW ALTACHIVE-ET	USA 119691058	99K	100	F	11JE1326			77	1292	-0.06	48	0.04	55	494	471	420	415	3.20
G	JX FOREST GLEN RONALDINHO OREGON	USA 067650195	99K	100	F	14JE1625			77	1219	-0.02	53	0.03	51	500	475	423	385	2.94
G	JX ABS CHEESEHEAD (6)-ET	840003135246056	99K	100	F	29JE4081			75	817	0.17	74	0.09	48	540	500	414	420	2.91
G	JX FARIA BROTHERS ALVES (5)-ET	840003140371276	99K	100	F	551JE1715			76	906	0.04	52	0.05	43	499	471	412	434	2.88
G	TOG ALTBALITZ UTE-ET	840003140986398	99K	100	F	14JE1679			75	641	0.08	46	0.08	40	508	471	393	391	2.85
G	JX FARIA BROTHERS ED REED (4)-ET	840003135124300	99K	100	F	7JE1603			76	993	0.12	73	0.01	38	544	529	498	493	2.92
G	RIVER VALLEY MAC MOVER-ET	USA 075341176	99K	100	F	200JE10033			76	258	0.26	64	0.10	30	515	478	398	381	2.95
G	ISDK VJ HAVDAL LAPPE DEE (6)	DNK 000304164	50K	100	F	236JE224			72	-878	0.60	72	0.25	15	544	476	326	474	2.89
G	JX PEAK ALTAHEIR (6)-ET	840003138498950	99K	100	F	11JE1346			76	1464	-0.05	58	0.01	54	514	499	466	443	3.08
G	JX FARIA BROTHERS LEWANDOWSKI (4)-ET	840003140305997	99K	100	F	551JE1712			76	957	0.11	69	0.05	44	539	514	459	375	2.98
G	JX FARIA BROTHERS IGNATIUS (4)-ET	840003135124349	29K	100	F	97JE175			76	756	0.04	45	0.07	41	493	462	396	416	2.93
G	JX CRESCENT VOLCANO GRANT (6)	USA 067295728	50K	100	F	14JE754			76	846	0.09	58	0.04	38	517	496	450	412	2.97
G	CAL-MART HALO-ET	USA 067384567	99K	100	F	29JE4096			77	773	0.05	47	0.04	36	501	477	428	390	2.86
G	JX PVF WORLD CUP ZANDER (5)	USA 172656169	99K	100	F	97JE173			75	118	0.21	48	0.10	24	500	463	384	426	2.79
G	JX FARIA BROTHERS PINSON (5)-ET	840003132351602	29K	100	F	551JE1690			75	882	0.04	51	0.07	47	517	480	402	379	2.82
G	AVI-LANCHE MALCOM (4)-P	840003131651479	99K	100	F	97JE166			76	1052	0.03	56	0.03	45	490	463	407	381	2.74
G	JX GENERATIONS TRADITION (5)-P	USA 067289342	99K	100	F	29JE4045			77	1450	-0.04	61	0.03	58	496	470	416	326	2.89
G	PINE-TREE SLUGGER BEN-P-ET	USA 067671679	99K	100	F	97JE186			72	515	0.20	65	0.09	36	535	502	430	407	3.01
G	RIVER VALLEY CHARLEY CHANGE UP-ET	840003126479215	99K	100	C	200JE10010			77	508	0.18	61	0.08	35	523	489	416	413	2.90
G	JX WASKIV DANESTAR (4)-ET	DNK 082902380	99K	100	F	200JE7919			73	45	0.34	70	0.17	35	538	483	362	394	2.93
G	JX FARIA BROTHERS ALTAGIANNIS (4)	840003135124175	99K	100	F	11JE1345			76	1085	0.03	57	0.06	52	495	461	389	369	2.89
G	JX PROGENESIS BOBCAYGEON (5)-ET	124 110216454	99K	100	F	200JE1114			76	1267	0.01	63	0.01	48	512	493	454	379	2.89
G	PINE-TREE NXLEVEL FASTIDIOUS-ET	USA 067731425	99K	100	F	97JE167			76	946	0.08	61	0.03	41	508	487	442	404	2.99
G	ISDK VJ ADELGAARD HIHL HIWE	DNK 000304155	50K	100	F	236JE220			70	-642	0.53	71	0.23	21	536	468	321	468	2.84
G	PROGENESIS HARLEM-ET	CAN 012302933	99K	100	C	200JE1061			77	1324	-0.08	46	-0.02	43	458	448	431	355	2.82
G	SHAN-MAR ARCHER KNOCK-OUT-ET	USA 067460152	50K	100	F	14JE758			77	901	0.09	61	0.04	41	501	477	426	399	2.94
G	JX FOREST GLEN MONUMENT SULLY (6)	USA 119889365	99K	100	F	97JE165			75	1186	-0.03	50	-0.02	39	505	496	480	430	2.87
G	JX RIVER VALLEY CHECKMATE (5)-ET	840003126479255	99K	100	C	200JE10008			78	1314	-0.01	60	0.02	51	471	450	406	361	2.89
G	TOG ALTBALITZ KALONA-ET	840003143160038	99K	100	F	14JE1678			76	1254	-0.12	34	0.00	46	458	439	402	358	2.76
G	JX CAL-MART DINERO (4)	USA 067384551	99K	100	C	29JE4086			76	614	0.12	54	0.07	36	501	471	406	422	2.90
G	ISDK VJ JUULSGAARD GISLEV GATES	DNK 000304544	6K	100	F	236JE4544			63	-100	0.21	37	0.11	18	456	415	330	414	2.64
G	JX MEIER LEONEL PALMER (4)	USA 067179059	99K	100	F	551JE1651			76	695	0.13	60	0.06	38	511	480	415	388	2.85
G	DUPAT DILLAN RAIDER-P-ET	840003127607534	29K	100	F	147JE6226			76	771	0.05	47	0.01	29	475	462	438	454	2.88
G	JX FARIA BROTHERS CAVANI (4)-ET	840003140306014	99K	100	C	551JE1714			76	545	0.16	58	0.07	34	509	478	411	381	2.86
G	CAL-MART CHILI LARS	USA 067294430	99K	100	F	1JE946			78	452	0.09	40	0.07	30	465	435	372	415	2.85
G	JX FARIA BROTHERS FELTON (5)	840003135124089	99K	100	F	200JE1119			76	1072	-0.06	38	0.04	47	457	432	379	345	2.98
G	PROGENESIS MALARKEY-ET	CAN 109793000	99K	100	F	200JE1100			76	1218	-0.02	54	0.00	44	482	469	441	355	2.94
G	ISDK VJ HOEHOLT JERN JAMES	DNK 000304302	50K	100	F	236JE248			72	-82	0.37	68	0.16	29	505	452	336	413	2.85
G	ISDK VJ SOLBAKKEN HALEY HIRTS	DNK 000304552	50K	100	F	236JE4552			66	-798	0.48	54	0.23	14	504	441	303	415	2.88
G	JX CAL-MART HARRIS SILAS (5)	USA 067294362	99K	100	F	97JE145			76	1061	0.08	67	0.07	53	490	455	380	350	2.98
G	JX GOLDEN HILL LUCKY BOB (4)	USA 173368215	99K	100	F	97JE185			72	667	0.12	57	0.08	41	484	451	379	397	3.06
G	JX OAK LANE WINGMAN (5)-ET	USA 067742173	99K	100	F	97JE168			75	734	0.10	56	0.07	40	477	446	380	345	2.92
G	DUTCH HOLLOW OSCAR-P-ET	840003148608077	45K	100	F	566JE108			73	227	0.26	62	0.07	22	487	460	403	401	2.89
G	AHLEM KWYNN CHINOOK 23485	USA 067823485	99K	100	F	551JE1700			77	-1	0.17	33	0.11						

Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI April 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
3.7	0.7	-1.2	65	-0.1	1.3	8.4	160	0	0	77	1.2	0.9	0.7	1.3	L0.4	0.7	S0.3	S0.1	0.8	1.6	1.0	0.7	S0.6	W0.3	S0.5	W0.4	B0.1	12.4
5.7	0.7	-2.8	65	-1.9	0.5	8.8	160	0	0	77	1.6	1.7	-0.1	0.6	L0.5	0.3	P0.5	S0.5	2.5	1.3	0.5	0.1	S3.7	C0.9	L0.4	C0.6	C0.3	28.0
2.8	-2.4	-1.0	63	-0.1	0.8	7.8	159	0	0	75	1.4	0.8	0.2	1.4	L0.9	-0.1	P0.4	S0.2	1.0	1.5	1.1	-0.2	S1.1	W0.1	L0.4	C0.3	C0.1	10.3
3.6	-1.8	-0.3	64	2.2	4.1	6.5	159	0	0	76	1.5	0.8	1.0	1.3	H0.2	0.8	P0.2	S0.9	1.4	1.0	1.0	0.5	S0.9	C1.0	L0.5	C1.4	0.0	13.2
2.7	-0.5	-1.6	63	0.2	4.3	6.4	158	0	0	75	1.1	1.3	0.6	0.9	L0.7	0.0	S0.3	0.0	0.4	0.6	0.7	0.5	S1.1	C0.5	L0.5	C1.3	C0.2	9.5
4.3	0.0	-1.8	63	-0.7	1.0	8.7	158	0	0	76	1.7	0.9	-0.1	1.6	L0.7	0.4	0.0	S0.5	1.2	1.7	1.2	0.1	S1.1	C1.0	S0.7	C1.1	B0.3	15.7
3.8	0.6	-2.2	60	-1.3	0.0	5.1	158	0	0	73	1.4	0.7	0.3	0.3	H0.7	0.6	P0.6	S0.8	2.1	1.4	0.2	0.2	S2.9	C0.2	L1.1	C0.2	B0.1	21.9
4.0	-1.2	0.2	64	1.1	3.7	6.9	158	0	0	77	0.8	1.5	0.3	0.5	L0.6	0.7	P0.1	S0.8	1.5	1.2	0.4	-0.4	S1.6	C0.1	L0.2	W0.6	C0.5	12.9
3.0	-2.0	-1.2	65	0.4	1.1	7.7	158	0	0	77	2.3	1.8	0.3	2.0	H0.1	0.9	S0.2	S0.9	2.5	2.1	1.5	0.7	S2.6	C0.9	S0.5	C0.5	C0.5	29.1
5.9	3.0	0.0	60	0.2	1.8	8.0	157	0	0	74	1.4	0.8	0.2	1.1	H0.3	0.6	P0.6	S1.3	2.7	1.3	0.8	0.5	S2.8	C1.3	S0.2	C0.8	C0.5	27.6
4.0	1.1	0.4	57	0.9	3.5	6.3	157	0	0	73	1.4	1.1	0.8	0.7	H1.0	1.0	P0.9	S1.2	2.7	1.3	0.5	0.2	S2.0	C1.0	L0.7	C1.6	B0.2	21.0
4.7	-0.2	-0.4	64	1.0	3.0	7.1	156	0	0	77	0.6	1.2	0.6	0.6	L0.1	0.2	P0.1	L0.1	1.1	0.2	0.4	0.2	S1.8	C1.0	L0.2	C0.2	C0.7	13.5
4.6	1.6	0.2	64	0.4	2.5	7.7	156	0	0	77	1.5	1.2	0.2	1.0	L0.1	0.4	S0.1	S0.1	1.5	1.5	0.8	0.3	S1.7	C1.5	S1.0	C1.5	C0.2	20.5
6.0	1.7	0.0	62	1.0	3.8	8.0	156	0	0	74	1.2	-0.5	-0.2	0.6	L0.3	0.0	P0.3	S0.4	1.1	0.6	0.4	-0.2	S1.4	C0.3	S0.7	W0.1	C0.1	11.7
2.1	-3.1	-5.0	66	-4.4	-1.7	8.5	155	0	0	78	1.6	1.8	0.8	1.6	H0.1	0.6	S0.2	S0.5	1.2	1.5	1.2	0.2	S1.1	C0.8	L0.2	C0.6	B0.1	13.9
3.1	-1.8	-3.7	67	-2.0	2.0	8.1	155	0	0	77	1.5	0.2	0.9	1.3	H0.7	0.5	P0.7	S0.5	0.7	1.0	1.0	1.0	D0.2	C0.4	L1.1	W0.5	C0.2	6.5
4.2	-0.3	-0.5	67	1.7	4.2	9.4	155	0	0	78	1.0	0.7	-0.4	1.8	L0.4	-0.2	S0.5	0.0	-0.2	1.3	1.3	0.4	D0.3	C0.2	L0.5	C0.6	B0.2	2.7
1.1	-4.1	-5.1	63	-4.6	0.3	7.4	154	0	0	75	1.5	-0.2	0.0	1.1	H0.3	-0.2	P0.5	S0.2	2.1	1.7	0.8	0.2	S1.9	C0.5	S0.1	W0.1	B0.3	20.6
3.2	-2.0	-2.6	65	-0.8	1.6	6.4	154	0	0	76	0.7	0.9	0.7	0.6	H0.2	0.5	P0.6	S0.9	1.4	0.3	0.4	-0.4	S1.2	C0.3	L0.2	C1.0	C0.2	8.7
3.5	-0.2	-2.4	66	-0.5	3.1	7.8	154	0	0	77	1.6	0.1	0.6	0.9	H0.5	0.3	P0.9	S1.0	2.4	1.2	0.7	0.1	S1.6	C1.1	L0.4	C2.1	C0.1	18.3
6.1	-0.3	-0.8	64	-0.6	3.5	9.0	154	0	0	77	2.4	1.9	0.9	1.3	H0.3	1.4	P0.4	S1.2	3.2	2.2	1.0	0.7	S2.9	C1.6	L0.2	C1.3	0.0	32.3
5.2	1.9	1.8	56	2.2	3.2	3.6	154	0	0	70	0.2	0.8	-0.2	0.1	L0.9	0.0	P0.4	S0.6	1.1	0.0	0.0	-0.9	S2.6	W0.1	L0.1	W1.2	C0.5	11.0
4.0	0.3	-1.6	66	-0.9	2.2	9.1	153	0	0	78	1.1	-0.4	-0.6	0.9	L0.3	-0.5	P0.4	S0.3	0.6	1.2	0.7	0.4	S1.3	W0.4	S0.1	0.0	B0.1	12.0
3.7	0.3	-0.7	60	-0.5	1.5	7.1	153	0	0	73	1.8	1.0	0.3	1.2	L0.6	0.4	P0.2	S0.7	2.1	1.7	0.9	-0.1	S1.8	C0.7	L0.5	C0.5	C0.5	18.3
3.7	0.5	0.0	43	1.8	2.9	2.3	153	0	0	61	-0.1	0.6	0.4	0.1	L0.6	0.1	S1.0	S0.2	0.4	-0.4	0.1	-0.1	S1.2	W0.1	S0.1	W0.1	C0.2	5.2
4.4	0.8	0.4	55	1.1	1.9	3.5	153	0	0	69	0.0	1.1	0.1	-0.2	0.0	-0.2	P0.1	S0.4	0.0	0.0	-0.2	-0.4	S1.6	W0.9	S0.3	W0.7	C0.3	4.9
3.7	-1.6	-0.6	67	1.1	3.0	9.8	152	0	0	78	1.8	1.1	0.4	1.2	H0.2	0.6	P0.2	S1.0	1.7	2.2	0.9	1.1	S1.8	C0.7	L0.3	W0.3	0.0	23.4
3.2	-0.5	-1.8	63	-0.5	2.0	8.1	152	0	0	76	1.7	0.1	-0.1	1.8	0.0	-0.3	P0.2	S0.3	0.7	1.9	1.4	0.8	S0.5	C0.4	L0.1	W0.5	C0.1	12.8
3.2	-2.5	-1.2	60	-0.1	2.2	6.9	152	0	0	75	0.5	0.5	-0.1	1.2	L0.3	-0.2	S1.1	L0.4	-0.1	0.6	0.9	-0.3	D0.1	W0.7	L0.3	C0.2	B0.2	-1.6
3.3	0.8	0.9	60	0.8	1.0	6.5	152	0	0	75	1.0	-0.2	-0.4	1.1	0.0	0.0	S0.2	S0.1	0.2	0.3	0.8	0.3	S0.2	C0.6	S0.8	C1.2	C0.5	5.6
4.8	1.3	-0.9	63	0.5	3.8	8.8	152	0	0	74	1.6	1.3	0.4	1.5	L0.9	0.7	S0.3	S0.2	1.1	2.0	1.1	0.4	S0.7	C0.6	S0.9	W0.1	C0.4	15.4
3.3	0.2	1.0	63	1.9	1.3	5.5	152	0	0	74	1.4	1.6	1.3	1.0	L0.5	0.6	S0.2	S0.4	0.9	1.0	0.7	0.7	S0.9	C0.7	L0.8	C0.6	B0.4	11.6
3.5	-0.1	-1.9	65	-0.8	-0.1	7.9	152	0	0	77	2.3	1.7	-0.2	1.8	H0.7	1.0	S0.2	S1.0	3.2	2.3	1.4	0.6	S3.7	C1.0	S0.7	C0.5	C0.5	36.6
3.2	1.4	1.7	49	4.4	4.5	1.5	152	0	0	64	-1.1	-0.6	-0.2	-0.7	L0.6	-0.6	S0.1	S0.2	0.1	-0.7	-0.5	0.6	S1.6	C0.8	S0.3	W0.8	C0.4	9.4
3.1	0.2	-0.3	65	1.5	3.0	8.4	151	0	0	77	1.1	1.3	0.4	1.3	L0.9	0.3	P0.2	0.0	0.0	1.4	1.0	0.6	S0.2	W0.4	L0.1	W0.7	C0.4	6.3
3.5	-0.4	-3.4	62	-2.4	-0.3	6.1	151	0	0	74	1.8	0.2	-0.5	1.1	H0.6	-0.1	P0.5	S0.5	2.3	2.2	0.8	0.1	S2.9	W0.1	L1.4	C0.2	B0.1	23.4
4.4	0.9	0.4	65	1.7	3.0	7.3	151	0	0	75	1.2	1.0	0.5	0.3	L0.4	0.1	P0.3	S0.4	1.3	0.9	0.2	0.5	S2.2	C0.4	L0.4	C0.2	B0.3	17.7
4.8	0.5	-0.7	66	-0.2	1.4	9.1	151	0	0	77	2.0	1.7	0.4	1.7	L0.9	0.6	S0.3	S0.1	1.9	1.5	1.3	0.3	S1.9	C1.9	S0.4	C0.9	B0.1	22.2
4.8	1.5	-1.2	67	-0.3	3.0	8.9	151	0	0	78	1.5	-0.7	-0.9	1.0	L0.2	-0.6	P0.7	S0.5	1.3	1.8	0.7	1.0	S1.1	W0.2	S0.4	C0.1	0.0	17.7
4.9	0.8	0.8	59	1.7	3.1	6.9	151	0	0	74	1.5	0.5	0.3	0.4	H0.9	0.7	P0.7	S0.9	2.8	1.3	0.3	0.4	S2.9	C1.4	L0.3	C1.1	B0.5	27.2
5.0	-0.1	-1.5	62	0.5	1.2	6.4	150	0	0	74	1.1	3.3	1.1	-0.1	L0.6	1.1	P0.5	S0.6	2.3	1.0	0.0	-0.5	S3.1	W0.8	L0.7	W0.2	C0.4	19.0
3.3	-1.7	-1.5	64	-0.2	2.2	7.9	150	0	0	77	1.7	1.5	0.7	1.6	H0.1	0.8	P0.6	S0.3	1.6	1.5	1.2	0.3	S1.3	0.0	L0.2	C0.5	C0.1	15.3
3.1	-1.6	-3.9	65	-2.3	1.1	7.7	149	0	0	77	0.9	-0.6	0.1	0.4	H0.3	-0.1	P0.3	S0.4	1.1	0.4	0.3	0.5	S1.0	C0.8	L0.1	C0.8	C0.1	11.5
4.4	0.0	-1.3	60	-0.8	0.4	7.3	149	0	0	74	1.8	1.5	0.3	1.5	L0.3	0.5	P0.1	S0.7	1.9	1.7	1.1	0.4	S2.3	C1.0	S0.2	0.0	C0.4	23.4
3.9	0.0	-0.8	66	-0.6	2.5	8.7	149	0	0	77	1.9	0.8	0.3	1.3	H0.2	0.6	P0.3	S1.2	1.9	1.2	1.0	0.4	S1.7	C0.4	S0.2	C1.0	C0.8	18.7
3.3	-0.2	-1.2	59	-1.0	0.9	3.4	149	0	0	71	0.9	1.6	0.7	0.2	H0.8	0.9	P0.3	S0.7	2.2	0.5	0.1	-0.1	S3.0	C0.2	S0.1	W0.4	C0.5	21.0
2.7	-0.3	-1.9	64	-0.3	3.0	6.1	148	0	0	75	1.2	0.9	1.4	0.9	H0.5	1.3	P0.1	S0.7	1.7	0.3	0.7	0.5	S0.3	C2.3	0.0	C1.5	C0.8	11.9
3.8	-1.7	-2.5	65	-1.2	1.1	7.4	148	0	0	76	1.6	1.8	0.6	1.1	H0.2	0.7	P0.4	S1.0	2.3	1.3	0.9	-0.4	S2.6	C0.4	L0.3	C0.3	C0.3	20.2
3.7	0.6	-1.1	65	0.0	1.1	8.4	148	0	0	77	1.3	-1.0	-0.4	1.4	L0.3	-0.6	S0.3	L0.4	0.5	1.7	1.1	0.7	S0.1	C0.5	S0.6	W0.4	B0.1	10.7
3.2	-1.1	2.1	48	2.1	2.6	1.9	146	0	0	64	-0.2	0.9	0.2	-0.1	L0.9	0.1	P0.6	S0.3	0.1	-0.1	0.0	0.0	S2.0	W0.8	L0.6	W1.0	C0.8	7.0
4.1	0.0	-1.5	67	-1.4	1.5	9.1	145	0	0	78	1.4	0.4	0.0	1.3	H0.4	0.0	P0.1	S0.4	1.8	1.0	1.0	0.7	S2.1	C0.6	L0.1	C0.4	C0.3	20.6
3.0	-0.4	-0.9	66	-1.3	-0.1	8.6	145	0	0	78	1.6	1.9	0.5	1.6	H0.4	0.7	0.0	S1.2	2.0	0.9	1.2	0.4	S2.4	C1.5				

Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI April 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	BW BRAVEHEART-ET	840003126536276	13K	100	F	551JE1656	77		570	0.18	63	0.09	39	476	443	370	332	3.13	
G	ISDK VJ KROGAARD RODME QUINTANA	DNK 000304301	50K	100	F	236JE247	72		-174	0.35	61	0.16	26	461	408	294	377	2.87	
G	FOREST GLEN PREMIUM GOLD	USA 067609471	99K	100	F	97JE150	79		609	0.21	72	0.07	37	486	458	396	388	3.12	
G	VERJATIN OCTOBERFEST	CAN 110768710	45K	100	F	182JE1013	72		643	0.04	38	0.03	29	430	412	374	344	2.89	
G	ISDK VJ AARRE LAPPE LARI	DNK 000304158	50K	100	F	236JE222	71		-182	0.28	47	0.14	20	438	393	297	390	2.81	
G	JX WILSONVIEW SWORD MULTIPLY {6}-ET	USA 119465110	99K	100	F	97JE152	76		1023	-0.01	47	-0.02	33	436	431	421	368	2.94	
G	AHLEM GENOMINATOR MOONBEAM	USA 067823232	99K	100	F	7JE1577	77		364	0.16	49	0.06	25	426	399	342	334	2.78	
G	ISDK VJ HAGENBJERGGAARD HITMAN {5}	DNK 000304254	50K	100	C	236JE231	72		-576	0.29	29	0.19	16	400	345	224	405	2.91	
G	RIVER VALLEY LANI LIFT-OFF-ET	840003126479129	99K	100	F	200JE10005	77		1444	-0.13	42	-0.06	40	397	396	401	283	2.76	
G	BW PAXTON-ET	USA 119446229	99K	100	F	551JE1649	77		686	0.06	44	0.04	33	417	395	348	314	2.91	
G	PEARLMONT REGENCY TIBET	USA 067270696	99K	100	F	14JE1624	76		906	0.03	49	0.06	45	433	409	354	365	3.25	
G	AHLEM OLIVER KYSON-P-ET	USA 067823701	99K	100	F	14JE1639	76		830	0.11	62	0.02	33	448	434	404	297	2.95	
G	WETUMPKA LISTOWEL NIGEL-PP	USA 067339324	45K	100	F	566JE109	74		619	0.07	44	0.03	29	433	415	378	387	2.98	
G	JX SEXING KWFRAPP GOLDEN {4}-P-ET	840003010364640	13K	100	C	551JE1653	76		905	-0.02	39	0.06	44	410	385	328	293	3.10	
G	PINE-TREE GYNNON CUATRO-ET	USA 067731388	29K	100	F	566JE104	76		-9	0.16	32	0.10	19	377	343	270	302	2.85	
G	SCENIC VIEW ASTUTE-P-ET	USA 067359183	99K	100	F	91JE5822	76		1054	-0.01	48	-0.02	34	420	413	401	334	2.86	
G	JX SR STERLING MATTER {6}-PP	USA 173156928	99K	100	F	97JE181	73		1035	0.02	54	0.03	44	422	399	350	262	2.89	
G	ELLIOTTS REGENCY CASINO-ET	840003125411657	50K	100	F	14JE725	77		452	0.06	34	0.09	34	404	374	305	324	3.11	
G	JX LEGENDAIRY MONEYBAG {5}	USA 119392427	99K	100	F	200JE1065	76		1561	-0.12	48	0.01	58	399	382	345	256	3.08	
G	JX RVCF BUZZWORTHY {4}	840003133234707	99K	100	F	200JE10025	76		135	0.24	54	0.10	25	426	390	313	284	2.91	
G	JX AHLEM BRUNO {5}-ET	USA 074067613	99K	100	F	551JE1654	78		893	-0.01	41	0.01	35	375	361	331	305	2.97	
G	ISDK VJ ENGBJERG HAZARD HERO	DNK 000304419	50K	100	C	236JE259	71		47	0.31	64	0.13	27	450	403	306	357	2.76	
G	GOLDEN DREAM AMERICAN PHAROAH-P	USA 172553124	45K	100	F	566JE106	75		540	-0.06	14	0.02	24	368	354	325	367	2.95	
G	ISDK VJ MOSEGAARD HILARIO HAARE	DNK 000304229	50K	100	F	236JE229	71		-62	0.25	47	0.14	25	394	348	249	347	2.86	
G	PETERSON REGENCY LEON	840003010961740	99K	100	F	97JE153	76		835	-0.08	24	0.06	42	338	310	250	272	2.98	
G	AUDIBEL JARVIS-ET	CAN 110768703	99K	100	F	551JE1721	73		479	0.15	54	0.08	34	418	388	320	325	3.05	
G	PINE-TREE DAYBREAK POLICY-ET	USA 067771245	99K	100	F	97JE155	77		328	0.14	43	0.05	22	368	350	311	281	3.10	
G	TATE BENEFACOR SAVIOR-ET	840003006436157	29K	100	F	147JE6227	76		1478	-0.11	46	-0.04	44	364	360	357	277	2.83	
G	ALL LYNNS NIKON VALERGO-PP	USA 119288203	99K	100	F	11JE1294	77		774	0.07	52	0.05	39	396	374	324	220	3.17	
G	ISDK VJ HOEHOLT GALVANIZE GAZZ	DNK 000304165	50K	100	F	236JE225	75		519	0.14	53	0.07	33	399	370	308	274	2.97	
G	ST-LO PRESTO-ET	CAN 110150638	99K	100	F	97JE187	75		-146	0.13	18	0.02	-1	328	319	300	284	2.79	
G	SEXING LEMONHEAD DOYLE-ET	840003132348057	99K	100	F	551JE1698	76		448	-0.03	16	0.01	18	288	278	258	223	2.89	
G	ISDK VJ HOEHOLT PICK PEREZ {6}	DNK 000304130	50K	100	F	236JE212	74		-594	0.39	47	0.21	19	359	297	164	230	2.89	
G	RIVER VALLEY CECE CHOICE	840003133234718	99K	100	F	200JE10027	76		575	-0.01	26	-0.01	18	295	292	286	177	2.91	
G	OOMSDALE ANIECE NIKON ADAM-P-ET	USA 067235833	99K	100	F	91JE5694	77		399	0.12	44	0.04	22	331	315	280	192	3.01	
G	ROSE CALLENBERG CRYSTAL-P-ET	DEU 539873090	6K	100	F	202JE607	73		430	0.04	28	0.02	20	268	253	224	210	2.85	
G	DUTCH HOLLOW SANTANA CASE-PP-ET	840003131737417	29K	100	F	54JE636	76		949	-0.06	33	0.02	38	295	281	249	150	3.05	
G	DUPAT CHARLEMAGNE 521-ET	840003127607540	29K	100	F	44JE532	77		1249	-0.11	37	-0.06	32	275	284	304	185	3.01	
G	VERJATIN DAYLIGHT	CAN 110356901	99K	100	F	551JE1718	73		389	0.10	39	0.05	24	296	276	233	165	3.00	
G	BW VALENCIA-ET	840003126536268	13K	100	F	551JE1657	76		484	0.04	32	0.01	19	272	267	254	149	3.09	
G	ALL LYNNS VERNON MACARTHUR-ET	USA 118612153	80K	100	F	202JE601	81		255	0.18	49	0.06	22	314	295	250	244	3.19	
G	HILMAR SPARKY ATLAS {5}-ET	USA 119268647	29K	100	F	100JE7367	82		382	0.04	27	0.04	21	240	225	193	191	3.05	
G	DUPAT BRIER 476-ET	USA 067163476	13K	100	C	44JE529	76		1438	-0.15	36	-0.02	47	243	236	221	155	2.98	
G	JX DUPAT PLUS 473 {4}	USA 067163473	13K	100	C	44JE527	75		1208	-0.10	36	-0.02	39	230	226	216	185	3.01	
G	ISDK ADELGAARD PRIMERO PRIMAL	DNK 344803387	29K	100	F	97JE42034	74		-591	0.25	19	0.08	-6	265	248	208	244	3.05	
G	LAMARIA WILBERT-ET	CAN 109960092	99K	100	F	551JE1693	75		449	0.05	31	-0.01	14	238	236	233	154	2.95	
G	GOLDEN DOMINATE-ET	CAN 012344082	99K	100	F	94JE4062	77		300	0.04	23	0.02	15	194	184	162	124	2.98	
G	DUPAT BRIER 474-ET	USA 067163474	13K	100	C	44JE528	76		1444	-0.14	39	-0.03	45	211	209	204	129	3.03	
G	ST-LO BARCELONA POLLEN	CAN 110150613	99K	100	C	551JE1720	74		362	0.06	29	0.02	18	219	207	182	141	2.99	
G	ST-LO VIDEO-ET	CAN 110644826	99K	100	F	200JE1167	74		-113	0.23	40	0.09	14	245	222	169	142	3.25	
G	SPRUCE-H CHRIS-PP-ET	USA 067106207	8K	100	C	202JE602	76		114	0.14	34	0.02	9	204	197	179	96	3.07	
G	SEXING KWYNN FURIOUS-ET	840003132351476	99K	100	F	551JE1716	76		-302	0.07	-1	0.02	-6	128	119	101	95	2.79	
G	RIVER VALLEY RICKI ROCKSTAR	840003126479237	99K	100	F	200JE10009	76		-457	0.13	3	0.05	-7	162	149	121	140	2.88	
G	UNIQUE HP HELLCAT	CAN 012726323	99K	100	F	250JE1668	74		36	-0.01	0	0.03	8	143	131	106	90	2.98	
G	BW ARMISTICE-ET	USA 117795635	50K	100	C	44JE521	78		-5	0.10	19	0.03	6	150	142	124	124	3.10	
G	RIVER VALLEY JOYRIDE-ET	840003126479085	99K	100	C	200JE10011	77		-294	0.14	14	0.07	4	125	107	66	82	3.13	
G	HOMETOWN MERCHANT ANDRETTI-ET	CAN 011295001	50K	100	C	91JE5453	78		640	0.05	41	0.02	28	146	134	106	47	3.09	
G	BW ATLAS-ET	USA 117799901	50K	100	F	44JE520	79		645	0.02	35	-0.03	18	124	128	134	20	3.06	
G	AUDIBEL NOTEBOOK-ET	CAN 110059221	99K	100	F	551JE1694	73		-10	-0.01	-2	0.03	6	107	101	86	93	3.21	
G	RIVER VALLEY VENUS V I P-ET	840003126479167	99K	100	F	200JE10003	76		-1037	0.13	-24	0.06	-26	-51	-58	-73	-51	3.08	
G	TRIPLE-T-CF MR SWAGGER-ET	840003128791561	99K	100	F	7JE1605	77		-1561	0.31	-17	0.15	-29	-34	-59	-116	-49	3.19	
G	KCJF HIRED MAGICIAN	840003138865447	99K	100	F	7JE1705	76		-1482	0.26	-23	0.09	-37	-52	-63	-88	14	3.05	
G	RIVER VALLEY LOLALALA-ET	USA 075341116	99K	100	F	200JE10023	77		-746	0.02	-31	0.04	-20	-104	-105	-110	-81	3.13	
G	KIMBALL-WAY VENETIAN	840003145690547	99K	100	F	94JE4114	75		-1182	0.18	-22	0.06	-31	-146	-147	-156	-107	3.24	
G	ISAU BUSHLEA MAVERICK 2	AUS A00025872	99K	100	F	200JE8183	74		-1337	0.30	-8	0.13	-25	-275	-295	-342	-323	3.19	
G	SV EXCITE JJ HARDY-ET	USA 067254656	99K	100	F	94JE4120	76		-1177	0.05	-47	-0.03	-47	-405	-380	-330	-324	3.28	

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

April 2019

PL	LIV	DPR				CCR	HCR	EFI	JPI	Type Hnds	Type Daus	Type REL	FS	ST	SR	DF	RA	RW	RL	FA	FU	RH	RUW	UC	UD	TP	TL	RTP RV	RTP SV	JUI
		DPR	REL	CCR	HCR																									
2.8	-0.5	-2.6	67	-1.7	-0.8	9.6	131	0	0	77	1.6	0.1	-0.2	1.1	L0.3	-0.5	P0.1	S0.1	1.9	2.3	0.9	-0.2	S1.9	C0.7	S0.1	C0.1	C0.2	20.3		
2.6	-0.9	0.2	55	2.5	2.2	2.9	131	0	0	68	0.1	1.3	0.2	0.4	L1.0	0.5	S0.7	L0.3	0.5	0.6	0.3	0.1	S1.6	C0.1	L0.8	W0.4	C0.6	9.4		
3.1	-2.1	-1.0	67	0.0	2.0	7.3	130	1	1	77	1.1	1.1	0.3	1.0	L0.4	0.5	P0.1	S0.3	0.5	1.0	0.8	0.5	S0.7	C0.6	0.0	C1.3	B0.3	10.0		
4.6	1.7	-0.4	61	-0.3	1.8	8.5	130	0	0	74	1.6	0.5	0.0	1.3	L0.9	0.0	S0.1	S1.1	1.4	1.2	1.0	1.1	S1.3	C1.7	S0.7	C0.8	C0.5	20.6		
3.5	0.5	1.3	51	3.7	4.9	2.1	130	0	0	66	-0.8	-1.1	-0.4	-0.7	L0.7	-0.7	P0.1	S0.5	0.1	-0.2	-0.5	0.3	S1.1	C0.5	L0.1	W0.5	C0.4	6.2		
3.9	0.3	-0.8	63	0.7	3.5	8.2	129	0	0	76	1.5	-0.8	0.0	0.7	H0.9	0.0	P0.8	S0.4	2.0	1.7	0.6	0.1	S1.4	C0.4	L0.3	C0.8	0.0	16.9		
3.8	0.0	-0.8	66	0.1	3.5	9.0	129	0	0	78	1.3	0.9	0.2	0.7	L0.4	0.2	P0.1	S0.1	1.7	1.2	0.5	0.5	S1.9	W0.1	S0.4	C1.2	C0.3	19.0		
3.6	1.6	4.1	53	5.2	4.2	2.9	129	0	0	68	-0.4	0.0	-0.8	-1.4	L0.3	-0.9	S0.3	S0.2	1.0	-0.1	-1.0	0.2	S2.3	W0.2	0.0	W0.1	C0.2	13.3		
4.1	-0.9	-2.8	67	-1.5	2.6	9.3	128	0	0	78	1.3	0.7	-0.2	1.1	H0.7	0.1	0.0	S0.3	1.8	0.2	0.8	0.2	S2.6	C1.1	L0.2	C0.7	B0.5	19.3		
3.9	0.0	-1.3	67	-1.0	2.6	9.2	128	0	0	78	1.4	0.2	0.1	0.2	0.0	0.3	S0.2	S0.5	2.6	1.0	0.1	-0.3	S2.6	C1.0	S1.0	C0.2	C0.4	23.4		
2.8	-1.0	-0.4	65	1.6	2.5	7.9	127	0	0	77	1.6	0.7	0.4	1.1	L0.8	0.1	S0.2	S0.5	0.9	1.3	0.9	0.4	S0.9	C1.3	S0.6	0.0	C0.4	14.2		
2.7	0.5	-3.7	66	-2.8	0.0	8.9	126	0	0	77	2.1	0.9	-0.2	1.8	L0.7	0.0	0.0	S0.3	1.6	2.5	1.3	0.4	S2.2	C0.5	S0.2	C1.1	B0.1	23.6		
4.4	-0.3	0.9	61	1.6	2.2	7.8	126	0	0	75	1.4	0.7	-0.3	1.2	L0.1	0.2	0.0	S0.2	1.3	1.7	0.9	-0.3	S1.5	W0.5	L0.1	C1.0	B0.1	13.0		
3.6	0.9	-1.4	63	-2.0	0.7	7.7	125	0	0	76	1.3	-0.7	-0.6	0.6	L1.1	-0.6	S0.3	L0.9	0.1	1.6	0.4	1.1	S0.4	C1.6	S0.1	C2.0	B0.9	12.7		
3.7	1.1	0.1	65	0.9	1.8	8.2	124	0	0	76	2.1	1.3	0.4	0.7	H0.3	0.9	S0.1	S0.6	3.0	1.7	0.6	0.9	S3.3	C1.7	S1.4	C0.4	C0.2	35.7		
3.3	0.6	-1.2	65	-0.5	1.6	8.1	123	0	0	77	1.9	2.7	1.1	1.7	L0.9	1.0	P0.1	S0.4	1.8	2.1	1.3	0.0	S1.8	C0.3	S0.2	C0.9	C0.9	19.5		
3.1	-1.8	-3.7	62	-3.0	-0.2	7.9	122	0	0	76	1.1	0.2	-0.3	0.8	H0.3	0.0	P0.3	0.0	1.5	1.1	0.6	-0.4	S1.5	C0.4	S0.2	C0.9	C0.6	13.2		
3.5	1.0	-0.2	66	0.6	1.8	8.7	122	0	0	78	2.1	2.1	1.0	1.7	L0.3	1.1	P0.1	S1.1	2.2	1.9	1.3	0.8	S2.0	C1.5	S0.7	C1.0	C0.2	26.5		
2.2	-2.5	-3.7	66	-3.2	1.4	8.2	121	0	0	77	1.0	-0.4	0.0	1.0	L0.2	-0.5	P0.2	S0.3	0.5	0.8	0.8	0.7	S0.6	C0.2	L0.2	W0.1	C0.4	9.0		
3.3	-0.3	-2.4	64	-2.1	-0.2	7.1	120	0	0	77	1.7	-0.3	-0.4	0.7	H0.4	-0.4	P0.6	S0.9	1.9	1.2	0.5	0.8	S2.0	C1.1	0.0	C0.9	B0.1	22.0		
2.9	-1.0	-0.9	67	0.2	2.6	8.2	119	0	0	78	1.4	0.3	0.1	0.8	H0.2	0.1	S0.2	S0.4	1.6	1.1	0.6	1.0	S1.8	C1.0	L0.7	C0.7	B0.3	19.6		
2.5	-1.6	0.0	51	0.1	0.5	1.8	119	0	0	64	-0.5	0.1	0.4	-0.4	H0.5	0.4	0.0	S0.8	0.9	-0.3	-0.3	-1.2	S1.0	W1.3	S0.2	0.0	C0.1	0.3		
4.8	3.6	2.8	65	3.5	3.0	8.6	117	0	0	77	1.4	0.7	0.5	0.2	H0.2	0.8	P0.5	S0.4	2.1	1.6	0.2	0.0	S2.1	C0.3	L0.1	0.0	C0.1	19.8		
2.0	-0.9	1.0	52	3.4	2.0	1.9	116	0	0	67	0.0	0.2	0.4	0.4	H1.0	0.5	0.0	S0.5	0.2	-0.1	0.3	-0.2	S1.2	W0.6	S0.4	W0.8	C0.7	4.9		
2.6	-1.3	-0.5	64	0.8	2.4	7.2	114	0	0	77	1.4	0.0	0.1	0.9	L1.0	-0.1	S0.7	S0.1	1.0	1.8	0.7	0.1	S1.2	W0.1	L0.1	W0.2	C0.2	13.1		
2.4	-0.3	-0.6	61	-0.7	-0.7	7.8	110	0	0	74	1.4	0.9	1.0	1.7	H0.2	0.8	S0.3	S0.6	0.5	1.6	1.3	0.8	D0.3	W0.2	L0.3	W0.1	C0.1	6.8		
3.0	0.7	-1.5	65	-0.5	2.8	8.1	108	0	0	77	1.5	-0.1	-1.2	1.6	0.0	-0.3	S0.3	S0.5	1.2	1.6	1.2	0.8	S1.8	W0.1	S0.6	C0.1	0.0	19.7		
2.0	-1.9	-2.0	65	-0.8	0.1	7.7	106	0	0	76	1.5	2.2	0.9	1.6	H0.6	1.2	S0.5	S0.7	0.8	1.3	1.2	0.0	S0.6	W0.1	L1.4	W0.4	B0.4	6.1		
2.9	-0.4	-4.3	67	-4.1	-1.8	8.8	105	0	0	78	2.3	1.4	0.6	1.7	H0.1	1.2	P0.1	S0.6	2.1	2.2	1.3	1.1	S2.6	C0.2	L0.8	C1.1	C0.1	26.8		
2.7	0.1	-1.8	63	-1.8	-1.3	6.5	103	0	0	74	0.7	0.3	0.1	0.3	L1.1	0.0	P0.1	S0.1	0.7	0.8	0.2	-0.4	S0.7	W0.9	L0.5	W0.4	C0.2	3.7		
5.6	2.7	0.6	62	1.8	1.2	8.3	103	0	0	75	2.6	2.5	-0.2	1.0	H1.2	1.2	P0.8	S1.8	4.1	2.2	0.8	1.0	S5.1	C1.2	L0.7	C0.9	C0.3	44.6		
4.1	0.5	-0.8	67	-0.1	2.0	9.8	97	0	0	77	2.3	1.1	-0.3	1.2	H0.1	0.5	P0.6	S1.1	2.8	2.0	0.9	1.1	S2.8	C1.3	L0.3	C0.6	C0.5	31.2		
2.0	-0.6	-1.1	58	-1.4	-1.5	4.0	96	0	0	71	-0.4	0.1	-0.3	-0.5	H0.4	0.5	P0.4	S0.5	1.3	-0.3	-0.4	-0.8	S2.6	W0.5	S0.4	W0.8	C0.8	11.4		
4.4	0.0	-3.0	64	-2.9	1.8	8.9	92	0	0	77	2.7	1.9	0.3	1.4	L0.5	0.7	P0.8	S0.9	3.5	2.8	1.0	0.8	S3.5	C2.0	S0.3	C0.6	B0.1	39.1		
2.8	0.5	-3.2	66	-3.4	-0.7	8.9	89	1	1	78	2.0	1.9	0.5	1.5	H0.1	1.1	P0.5	S0.9	1.7	1.4	1.2	0.7	S2.9	C1.1	S0.9	C1.1	0.0	27.2		
2.8	-1.3	-0.8	61	0.6	2.6	6.7	89	0	0	73	1.5	2.0	0.7	0.8	H0.4	0.9	P0.1	S0.4	1.9	0.8	0.6	0.6	S2.5	C0.7	S0.3	C1.1	B0.6	22.5		
2.1	-0.2	-3.9	65	-4.1	0.7	8.5	85	0	0	77	1.3	0.9	0.3	0.6	0.0	-0.4	P0.3	0.0	1.6	1.6	0.4	0.2	S2.0	W0.1	L1.3	W0.4	B0.2	16.3		
2.4	-1.1	-2.5	66	-3.1	0.4	9.4	85	0	0	77	1.0	1.0	-0.6	0.9	L1.4	0.3	S0.3	L0.1	1.2	0.5	0.7	-0.4	S2.4	C1.2	S0.6	C0.4	C0.3	16.5		
2.6	-0.7	-3.2	60	-2.4	0.2	7.8	82	0	0	73	1.7	1.5	0.6	0.8	L0.2	0.4	S0.2	S0.4	1.9	1.9	0.6	0.3	S2.4	C0.1	S0.2	C0.2	B0.2	22.8		
3.4	-0.8	-3.3	64	-3.8	-0.4	8.4	81	0	0	77	2.3	-0.1	-0.5	1.5	H0.8	-0.1	P0.7	0.0	2.9	2.3	1.2	-0.1	S3.5	C1.4	S1.3	C0.6	C0.6	33.5		
1.5	0.9	-0.6	66	0.1	-0.5	6.3	78	0	0	77	0.0	-0.4	-0.4	-0.3	L0.2	-0.6	S0.4	L0.1	0.2	-0.1	-0.2	-0.3	S0.6	C0.2	S0.1	W0.3	C0.6	2.2		
1.1	-0.1	-0.6	70	-0.6	1.1	9.8	74	0	0	79	1.1	0.6	-0.2	1.2	L0.9	0.4	P0.2	S0.7	0.8	0.4	0.9	0.8	S1.1	C2.3	L0.3	C0.9	C1.1	13.9		
0.8	-3.4	-2.1	66	-2.7	-1.7	9.1	73	0	0	77	0.4	1.3	0.6	0.5	L0.2	0.6	S0.2	L0.6	0.1	0.3	0.4	-0.1	D0.8	C0.8	L0.5	C0.3	C0.3	-2.7		
0.2	-5.1	-1.1	62	-1.6	-2.7	5.5	72	0	0	75	0.7	0.6	-0.3	0.8	H0.4	0.3	P0.2	S0.1	0.3	1.6	0.6	0.0	S0.3	C0.5	L0.9	C0.7	B0.2	5.6		
5.0	2.0	1.4	58	2.8	3.2	5.0	70	0	0	71	1.3	1.4	0.4	0.5	H0.7	0.7	P0.5	S1.1	2.5	1.4	0.4	0.7	S2.9	C0.2	L0.4	C0.6	C0.4	26.1		
2.1	0.0	-2.1	63	-2.5	-0.5	9.1	65	0	0	76	1.7	2.7	0.4	1.3	L0.1	1.0	P0.6	S1.3	2.4	1.6	0.9	0.2	S2.9	C0.3	L0.3	W0.3	C0.5	24.8		
1.8	-1.4	-2.0	65	-0.4	0.7	8.0	62	0	0	77	1.7	0.4	0.5	1.0	H0.5	0.3	P0.1	S0.6	2.2	1.5	0.8	0.6	S1.9	C1.6	L0.1	C0.7	0.0	23.0		
-0.5	-2.4	-2.3	65	-2.7	-1.9	8.5	61	0	0	77	0.2	1.3	0.6	0.4	L1.2	0.3	S0.7	L1.1	-0.9	0.3	0.3	0.3	D1.3	C0.2	L0.8	C0.3	C0.3	-7.4		
2.0	-1.5	-2.0	60	-1.0	2.2	7.6	60	0	0	73	1.4	2.1	0.7	0.9	L0.5	0.7	P0.4	S0.9	1.2	1.0	0.7	0.5	S1.4	C0.4	L0.3	C0.9	C0.3	14.3		
1.6	-2.2	-2.5	64	-2.8	-0.5	9.2	59	0	0	75	2.4	0.9	0.6	1.9	H1.0	1.1	P0.8	S1.0	2.7	2.1	1.4	0.6	S1.9	C1.4	0.0	0.0	C0.1	25.9		
1.9	0.3	-3.3	67	-2.3	1.2	9.0	54	0	0	77	1.2	-0.4	-0.4	1.6	H0.8	0.1	S0.4	L0.4	0.9	1.3	1.2	0.9	S1.0	C0.6	S0.5	C1.6	B0.4	15.6		
3.2	1.4	0.1	66	-0.4	1.6	8.6	53	0	0	78	2																			