

# Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI August 2018

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 FARIA BROTHERS ALTAZIZIC (4)	840003140371297	99K	100	F	11JE1348			75	1511	0.12	97	0.06	67	736	696	611	612	2.74
G	JX FARIA BROTHERS ALTARASHFORD (4)-ET	840003144724346	99K	100	C	11JE1366			75	1466	0.04	78	0.06	66	701	658	570	536	2.66
G	JX AARDEMA HALL (4)	840003009544067	99K	100	F	1JE1073			76	1322	0.11	87	0.08	64	702	658	566	563	2.81
G	JX FARIA BROTHERS BILL RUSSELL (4)	840003135124397	99K	100	F	29JE4068			76	1631	0.02	82	0.01	61	676	651	601	571	2.74
G	JX PVF WC ZINC (5)-ET	USA 119966684	99K	100	F	1JE1074			72	592	0.23	75	0.12	45	684	638	538	586	2.88
G	JX FARIA BROTHERS ALTABALE (4)	840003144724230	99K	100	F	11JE1365			75	1753	0.03	89	0.02	68	664	634	575	537	2.82
G	CAL-MART WESTPORT (6)-ET	USA 067374603	99K	100	F	29JE4117			72	754	0.22	81	0.09	46	695	654	566	577	2.83
G	JX ABS HOTLINE (4)-ET	840003141494349	99K	100	F	29JE4093			73	1215	0.11	81	0.08	61	653	612	524	520	2.96
G	JX FARIA BROTHERS ALTAMCGAHEE (4)	840003135124228	99K	100	F	11JE1340			75	1653	-0.02	74	0.02	63	632	603	546	517	2.68
G	JX FARIA BROTHERS ALTANOWITZKI (4)	840003135124160	99K	100	F	11JE1334			76	1829	-0.08	69	0.00	66	631	605	555	502	2.65
G	JX FARIA BROTHERS ASENSIO (4)-ET	840003140305961	99K	100	F	551JE1710			73	1260	0.11	84	0.09	65	658	613	516	525	2.95
G	JX ABS CHAPMAN (4)-ET	840003135245979	99K	100	F	29JE4078			75	1360	-0.01	63	0.04	58	622	589	523	555	2.80
G	JX PINE-TREE AROUND (5)-ET	USA 067731469	99K	100	F	1JE1075			71	968	0.13	73	0.09	54	668	628	540	547	3.01
G	PROGENESIS COMPLETELY-ET	124 109902120	99K	100	C	200JE1116			73	1702	0.02	85	0.02	66	660	636	584	539	3.03
G	JX ABS TJ (4)-ET	840003135245817	99K	100	F	29JE4102			71	1100	0.03	59	0.03	46	636	610	556	493	2.76
G	CO-OP AD WORLD CUP (5)-ET	840003126073776	99K	100	F	1JE935			76	660	0.11	53	0.09	42	625	586	503	561	2.86
G	RIVER VALLEY CHARLEY CHEDDAR-ET	840003133234557	99K	100	F	7JE5069			75	1455	0.07	85	0.05	62	660	630	566	549	3.02
G	JX PINE-TREE EUSEBIO SHOCK (5)-ET	USA 067731322	99K	100	F	7JE1606			75	1465	0.10	90	0.06	65	649	614	539	490	2.96
G	PROGENESIS DANCER-ET	CAN 110129621	99K	100	F	200JE1111			73	1597	0.10	98	0.02	61	676	656	613	536	3.08
G	SHAN-MAR LEMONHEAD KINGSTON-ET	USA 067460159	50K	100	F	14JE760			77	391	0.30	79	0.13	41	655	605	498	547	2.87
G	RIVER VALLEY CIRCUS CRAZE-ET	USA 075341001	99K	100	F	200JE10001			77	880	0.07	56	0.02	36	634	616	579	585	2.90
G	JX OAK LANE WILDCAT (5)-ET	USA 067742182	99K	100	F	97JE170			74	1066	0.15	81	0.06	50	642	607	535	509	2.74
G	DUTCH HOLLOW MIGHTY-ET	840003131737628	99K	100	F	29JE4079			76	834	0.18	77	0.12	54	630	579	470	477	2.79
G	PROGENESIS SKYLER-ET	CAN 012672209	99K	100	F	200JE1132			74	1179	0.16	89	0.01	45	668	649	611	545	2.85
G	JX FARIA BROTHERS ALTAGRONK (4)-ET	840003135124429	99K	100	C	11JE1339			73	1450	0.06	82	0.06	65	621	584	506	491	2.91
G	JX FARIA BROTHERS ALTAGIANNIS (4)	840003135124175	99K	100	F	11JE1345			76	1367	0.04	74	0.06	61	614	579	505	499	2.89
G	JX PROGENESIS BOBCAYGEON (5)-ET	124 110216454	99K	100	F	200JE1114			75	1429	0.06	80	0.01	54	627	604	559	497	2.80
G	JX FOREST GLEN BALTAZAR AMORE (6)-ET	USA 067650232	99K	100	F	29JE4105			73	1155	-0.05	45	0.01	44	562	541	500	481	2.74
G	OAKLANE DAZZLER DISCO 2127-ET	USA 067742127	99K	100	F	7JE1528			76	547	0.12	51	0.04	28	601	577	528	534	2.73
G	JX SUNSET CANYON GOT MAID (5)-ET	USA 119407594	99K	100	F	551JE1650			77	1450	0.04	78	0.04	61	608	574	505	459	2.75
G	JX FARIA BROTHERS MALDINI (4)-ET	840003135124483	99K	100	F	7JE1604			75	989	0.20	89	0.06	49	618	583	509	479	2.81
G	JX PROGENESIS LEADING (5)-ET	124 110035800	99K	100	F	200JE1113			75	1210	0.10	78	0.06	57	597	560	481	437	2.82
G	JX FARIA BROTHERS PINSON (5)-ET	840003132351602	29K	100	F	551JE1690			74	1088	0.07	67	0.07	54	610	571	490	484	2.80
G	JX FARIA BROTHERS COUTINHO (4)-ET	840003140305996	99K	100	F	551JE1711			74	917	0.19	82	0.05	44	633	602	539	492	2.82
G	JX FARIA BROTHERS DONCIC (4)-ET	840003140371530	99K	100	F	7JE1634			72	1095	0.12	76	0.01	42	601	582	544	509	2.82
G	JX FARIA BROTHERS ALTASMARK (4)	840003140371373	99K	100	F	11JE1350			73	1475	0.04	79	0.04	62	610	583	522	515	3.07
G	JX FARIA BROTHERS JACKSON (5)-ET	840003135124481	99K	100	C	200JE1123			73	1061	0.18	87	0.08	54	645	609	530	496	2.98
G	JX FARIA BROTHERS BALE (4)-ET	840003140371552	99K	100	F	551JE1705			72	1072	0.11	73	0.03	44	615	592	546	497	2.84
G	LEGENDAIRY BOURBON-ET	USA 119729720	99K	100	F	200JE1105			75	1341	0.08	80	0.05	59	600	570	504	449	3.01
G	JX LOVES OCTAVIUS (6)-ET	USA 172979241	99K	100	F	200JE1159			72	828	0.18	77	0.11	53	612	567	469	471	3.02
G	SEXING PILGRIM TUX 60328-ET	840003010364075	80K	100	F	203JE1637			77	760	0.09	54	0.03	34	583	564	522	591	2.94
G	JX FARIA BROTHERS TOM BRADY (5)-ET	840003135124336	99K	100	F	97JE159			75	1420	0.06	80	0.02	55	592	568	519	483	2.84
G	PROGENESIS MAGNUS-P-ET	CAN 109862276	99K	100	F	200JE1075			76	1370	-0.01	62	0.00	50	558	542	509	479	2.93
G	JX SANDCREEK D STEVENS PARAGUAY (5)-ET	840003144012326	45K	100	F	566JE105			71	1085	0.05	62	0.05	49	590	561	499	479	2.87
G	JX FARIA BROTHERS ED REED (4)-ET	840003135124300	99K	100	F	7JE1603			75	1279	0.11	84	0.00	46	597	582	552	533	2.89
G	SUN VALLEY DISCO BANDIT	USA 173107380	45K	100	F	566JE107			72	611	0.16	61	0.08	39	587	550	472	473	2.84
G	JX PEAK ALTAHEIR (6)-ET	840003138498950	99K	100	F	11JE1346			74	1582	-0.04	66	0.01	58	576	558	522	505	3.01
G	PINE-TREE ALTAFULLBLD-ET	USA 067731422	99K	100	F	11JE1352			74	1144	0.07	70	0.05	52	588	557	492	482	2.92
G	SUN VALLEY JENIUS (6)	USA 172636645	99K	100	F	200JE1164			72	520	0.15	55	0.12	43	570	524	425	501	2.92
G	JX FARIA BROTHERS CAVANI (4)-ET	840003140306014	99K	100	C	551JE1714			74	727	0.18	72	0.08	42	611	574	497	461	2.81
G	AHLEM KWYNN RESPECT-ET	USA 067823687	99K	100	F	7JE1638			76	753	0.16	68	0.05	37	550	520	460	417	2.70
G	PROMETEDOR MADISON-ET	USA 067299614	99K	100	F	200JE1139			76	910	0.17	79	0.06	46	587	554	486	439	2.91
G	RIVER VALLEY MAC MERIT-P-ET	USA 075341167	99K	100	F	200JE10030			73	841	0.16	72	0.08	47	586	551	474	484	3.01
G	JX FOREST GLEN RONALDINHO OREGON	USA 067650195	99K	100	F	14JE1625			73	1397	-0.02	62	0.02	54	551	529	483	440	2.89
G	SUN VALLEY MARCIN JERONIMO-ET	USA 119873803	99K	100	F	14JE1626			76	1252	-0.03	54	0.04	53	569	542	486	438	2.93
G	JX OAK LANE WINGMAN (5)-ET	USA 067742173	99K	100	F	97JE168			74	899	0.13	70	0.06	44	579	548	484	464	2.87
G	SCHOENE KUH MOOFASA-ET	USA 119734375	99K	100	F	200JE1107			75	1313	0.09	81	0.06	60	596	565	495	446	3.09
G	JX FARIA BROTHERS LEWANDOWSKI (4)-ET	840003140305997	99K	100	F	551JE1712			74	1269	0.08	78	0.02	50	592	573	531	451	3.00
G	JX FARIA BROTHERS ALTARICHT (5)-ET	840003135124426	99K	100	C	11JE1338			75	1072	0.14	81	0.09	57	580	537	446	434	2.88
G	JX FARIA BROTHERS MOSS (4)-ET	840003135124498	99K	100	F	200JE1124			75	1525	0.03	78	0.00	55	571	556	525	469	3.05
G	TOG LISTOWEL QUARTZ-ET	840003140986505	99K	100	F	7JE1650			73	1259	-0.03	53	0.04	53	543	514	455	417	2.83
G	ROC-BOT IMPLICATE (4)	USA 075211012	99K	100	F	200JE1099			76	1202	0.00	57	0.01	46	552	532	491	409	2.82
G	JX CRESCENT VOLCANO GRANT (6)	USA 067295728	50K	100	F	14JE754			76	974	0.07	60	0.03	42	555	533	486	459	2.94
G	JX FARIA BROTHERS FELTON (5)	840003135124089	99K	100	F	200JE1119			74	1311	-0.07	48	0.03	53	531	506	454	422	2.88
G	JX CAL-MART DINERO (4)	USA 067384551	99K	100	C	29JE4086			76	874	0.08	58	0.06	43	547	517	453	463	2.86
G	CAL-MART HALO-ET	USA 067384567	99K	100	F	29JE4096			76	841	0.06	52	0.04	38	544	519	469	441	2.84
G	RIVER VALLEY CHARLEY CHANGE UP-ET	840003126479215	99K	100	C	200JE10010			77	715	0.13	61	0.06	38	566	536	475	469	2.89
G	JX FOREST GLEN HARRIS HALT (5)	USA 067578752	99K	100	F	29JE3989			76	1547	-0.01	72	0.03	62	544	514	453	391	2.79
G	JX ABS CHEESEHEAD (6)-ET	840003135246056	99K	100	F	29JE4081			72	904	0.18	80	0.08	50	573	533	449	456	2.88
G	JX FARIA BROTHERS IGNATIUS (4)-ET	840003135124349	29K	100															

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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
2.9	-0.6	-0.1	60	-0.5	0.0	5.7	214	0	0	73	1.0	1.3	1.0	0.5	L0.4	0.6	P0.2	S0.3	1.5	0.6	0.3	0.3	S0.8	C0.2	L1.2	C0.9	C0.4	9.0
3.9	1.0	-1.7	58	-1.0	0.2	5.8	211	0	0	73	1.8	1.1	1.0	0.8	L0.9	0.4	P0.3	S0.2	1.5	1.6	0.6	0.9	S1.4	C0.5	L0.9	C0.5	C0.3	17.4
3.9	0.0	-0.6	64	-0.3	1.7	8.1	206	0	0	75	1.1	0.8	1.0	0.8	L1.1	0.4	S0.2	L0.1	0.5	0.6	0.6	1.1	D0.3	C1.9	S0.2	C1.2	C0.1	8.7
3.6	0.4	-0.4	60	0.3	3.5	6.5	205	0	0	74	1.0	1.3	0.3	0.8	L0.7	-0.2	S0.2	L0.1	0.4	0.8	0.6	0.4	S1.2	C0.4	L0.5	C0.8	C0.1	9.9
5.0	1.5	1.1	60	1.6	2.6	7.3	201	0	0	73	1.6	1.4	0.3	1.5	H0.4	0.8	S0.1	S0.3	1.8	1.2	1.1	0.4	S1.9	C1.3	S0.3	C0.3	B0.4	20.6
2.4	-0.8	-1.2	59	-0.7	0.2	5.5	199	0	0	73	0.9	-0.3	0.5	0.8	L0.2	-0.2	S0.3	L0.2	0.4	0.4	0.6	0.8	D0.1	C1.1	0.0	C0.8	C0.3	6.3
5.5	0.7	0.3	58	0.2	3.0	7.1	198	0	0	73	1.3	0.5	0.4	0.5	0.0	0.6	P0.3	S0.5	2.3	1.2	0.4	-0.3	S1.5	C1.7	0.0	C0.4	C0.2	17.4
3.7	-1.6	-1.1	57	-0.4	1.4	6.4	194	0	0	73	1.5	1.1	0.3	1.3	L0.4	0.7	P0.2	S0.3	1.5	1.2	1.0	0.3	S1.6	C0.9	S0.6	C0.3	C0.3	18.0
3.8	-0.4	-0.7	56	0.4	2.2	4.7	193	0	0	71	0.6	-0.2	0.5	-0.3	L0.3	-0.2	P0.1	0.0	0.7	0.1	-0.2	0.6	S0.3	C0.2	L0.3	C0.8	C0.1	5.7
4.3	-1.3	-1.2	62	-0.8	0.3	6.3	191	0	0	74	0.9	0.8	0.5	0.5	H0.2	0.5	P0.6	S0.8	1.5	0.5	0.4	-0.3	S1.3	C0.3	L0.3	C0.5	C0.1	10.2
3.1	-1.6	-1.0	59	-0.5	2.6	6.9	191	0	0	73	1.2	1.8	0.8	1.0	L1.0	0.5	S0.1	S0.2	0.8	0.9	0.7	0.0	S1.0	W0.2	L0.1	0.0	C0.1	8.8
4.4	-1.3	1.1	60	2.2	3.3	6.4	191	0	0	74	1.4	0.7	0.8	1.1	H0.3	0.7	P0.2	S0.8	1.3	1.0	0.8	0.3	S0.9	C0.7	L0.4	C0.8	0.0	11.9
5.1	0.2	-0.2	59	0.2	2.5	6.9	191	0	0	73	2.0	1.0	0.8	1.5	H1.2	1.1	P0.7	S1.0	2.1	1.7	1.2	0.5	S0.9	C2.6	S0.1	C0.2	B0.2	20.0
3.5	-0.5	-1.0	60	-0.4	0.7	7.8	189	0	0	74	1.1	-0.1	0.2	1.2	L1.1	-0.1	0.0	L0.5	0.1	1.6	0.9	0.9	D0.3	W0.5	L0.3	C0.5	C0.3	5.6
6.5	2.3	-1.2	58	-0.6	1.4	7.0	189	0	0	72	2.2	0.5	-0.2	1.2	H1.3	0.8	P0.7	S0.8	3.1	1.4	0.9	-0.1	S2.7	C1.2	S0.5	C0.8	0.0	26.6
6.1	2.1	2.0	65	3.3	4.5	7.5	189	0	0	76	1.2	0.4	0.2	0.7	H1.4	1.0	P0.6	S0.9	2.5	0.7	0.5	-0.1	S1.7	C1.7	S0.3	C0.5	0.0	18.9
3.4	-0.5	-0.4	62	-0.4	0.9	8.6	187	0	0	75	1.2	0.2	0.5	1.8	L1.0	0.0	S0.4	L0.1	0.4	1.3	1.3	0.4	D0.5	C0.9	L0.2	C0.7	C0.6	4.8
3.1	-1.3	-2.1	59	-1.8	-1.6	6.8	185	0	0	75	0.8	-0.3	0.0	0.7	L0.2	-0.5	S0.7	L0.6	0.7	1.0	0.5	0.3	S0.1	C0.6	L0.3	W0.1	C0.2	6.5
3.3	-0.8	-1.8	60	-1.7	-0.8	8.0	185	0	0	74	1.8	1.7	0.9	2.2	L0.7	0.8	0.0	S0.1	0.9	1.8	1.6	1.3	S0.5	C0.5	L0.5	C0.5	C0.3	14.6
3.9	0.9	0.6	67	0.4	1.4	8.2	185	0	0	77	1.7	1.1	0.4	0.8	H0.1	0.7	P0.5	S1.2	1.9	0.9	0.6	0.8	S1.7	C1.3	L0.8	C1.4	C0.8	18.9
6.7	3.7	2.4	68	2.6	3.3	9.7	185	0	0	78	1.8	1.6	0.2	0.9	H0.2	0.7	P0.1	S1.0	2.3	1.7	0.6	0.6	S2.7	C0.4	L1.1	C0.3	C0.3	24.2
4.2	-0.1	-0.9	58	-0.5	0.6	6.9	184	0	0	74	1.4	1.3	0.6	1.0	L0.7	0.3	S0.8	S0.6	1.0	0.7	0.7	0.4	S1.5	0.0	L0.6	0.0	C0.8	12.1
4.0	-0.6	-1.0	62	-2.0	1.4	9.1	183	0	0	77	0.9	0.4	0.7	0.3	H0.5	1.0	P0.6	S0.4	1.3	-0.3	0.2	0.5	S1.1	C1.3	S0.2	C0.9	C0.4	11.8
4.8	0.7	-0.9	61	-0.5	0.6	8.1	183	0	0	75	1.7	1.0	0.6	1.3	L0.5	0.6	P0.7	S0.3	1.3	1.8	1.0	0.5	S1.2	W0.3	0.0	C0.1	0.0	15.5
2.2	-1.2	-1.4	56	-1.0	1.2	5.7	182	0	0	72	0.6	0.5	-0.1	0.9	L0.8	-0.2	S0.4	L0.3	0.0	0.8	0.7	0.0	0.0	0.0	L0.4	C0.3	C0.1	1.5
2.8	-0.1	-0.7	60	-0.3	2.2	6.1	182	0	0	74	1.3	0.8	1.2	0.8	H0.6	1.1	P0.1	S0.7	1.7	0.5	0.6	0.4	S0.4	C2.1	0.0	C1.0	C0.8	12.2
4.0	-1.3	-1.6	59	-0.9	0.6	7.4	182	0	0	75	1.6	1.7	0.6	1.4	H0.2	0.7	P0.2	S0.9	2.0	1.2	1.0	-0.3	S2.4	C0.4	L0.1	W0.2	C0.4	18.9
5.0	1.6	0.2	60	1.0	2.3	7.8	182	0	0	74	2.0	-0.4	-0.1	1.1	H0.7	0.1	P0.5	S1.0	2.8	2.2	0.8	1.0	S2.5	C1.0	L0.4	C1.5	B0.2	29.5
7.2	2.8	1.8	63	2.1	2.8	8.6	181	0	0	77	1.8	1.2	0.2	1.2	H1.0	0.7	P0.5	S1.4	2.8	1.0	0.9	0.9	S2.8	C1.6	S0.4	C0.7	C0.9	29.4
3.0	-1.4	-2.2	64	-1.4	1.1	7.7	180	0	0	77	1.0	0.5	0.4	0.7	L0.3	0.1	P0.2	S0.3	0.7	0.5	0.5	0.2	S0.8	0.0	S0.1	W0.1	C0.5	7.9
2.0	0.5	-1.6	60	-1.6	0.0	6.6	179	0	0	75	1.0	0.6	0.1	0.4	L0.8	-0.1	S0.4	S0.2	1.1	0.8	0.3	0.8	S1.2	C0.7	S0.1	C0.8	C0.1	14.8
3.1	-1.6	-2.5	59	-2.0	-0.2	7.3	177	0	0	75	1.4	0.7	-0.3	1.0	L0.7	-0.2	S0.5	S0.1	0.8	1.1	0.8	0.1	S1.6	C0.2	S0.3	W0.2	C0.4	13.5
4.6	0.2	-0.4	56	0.4	0.5	6.2	177	0	0	72	1.0	3.2	1.2	0.0	L0.7	1.2	P0.1	S0.5	2.0	0.9	0.0	-0.4	S3.0	W0.7	L0.5	W0.5	C0.5	18.2
3.8	0.9	-1.4	55	-1.3	-0.9	5.2	177	0	0	72	1.4	0.8	0.4	0.3	H0.6	0.5	P0.8	S0.8	2.2	1.4	0.2	0.4	S2.8	C0.4	L1.0	C0.4	0.0	22.9
3.7	0.8	-0.1	58	-0.4	1.4	5.8	177	0	0	73	1.7	0.8	0.2	0.7	L0.2	0.0	P0.3	S0.3	2.1	1.6	0.5	0.2	S2.1	C0.6	S0.3	C1.1	C0.1	21.6
2.8	-2.0	-0.4	61	-0.1	0.8	7.9	176	0	0	74	1.3	0.7	0.1	1.3	L0.9	-0.2	P0.2	S0.1	0.8	1.4	1.0	-0.2	S0.7	W0.1	L0.5	C0.5	C0.1	7.5
3.8	0.5	-1.3	53	-0.8	-1.4	4.7	175	0	0	71	1.3	2.0	1.0	1.1	L0.9	1.1	P0.2	S0.1	0.8	0.7	0.8	0.4	S1.3	W0.4	S0.6	W0.4	C0.6	12.1
5.0	0.8	-0.6	57	-1.1	2.0	6.5	174	0	0	72	2.2	1.8	1.3	0.7	H0.4	1.5	P0.7	S1.0	2.9	1.1	0.5	0.3	S2.7	C0.8	L0.4	C0.9	C0.7	24.8
2.8	-2.2	-2.6	63	-2.4	-0.5	9.1	173	0	0	76	2.2	1.7	-0.2	2.5	L0.9	0.2	P0.2	S0.2	1.1	2.7	1.9	0.6	S0.8	C0.9	L0.1	C0.1	C0.2	17.3
3.3	-1.3	-1.4	62	-1.3	0.6	8.4	173	0	0	74	1.9	1.1	0.8	1.5	H0.3	0.6	S0.2	S0.7	1.9	2.1	1.2	0.6	S1.7	C0.3	L1.0	C0.4	B0.3	19.7
5.5	3.0	4.4	65	4.5	2.9	8.1	173	0	0	77	1.2	0.2	0.3	0.6	0.0	0.2	S0.4	S0.4	1.4	0.6	0.4	0.5	S0.9	C0.3	L0.2	C0.9	C0.1	11.6
2.7	-0.3	-0.7	56	-0.5	-0.8	5.7	172	0	0	73	0.9	-0.1	0.3	0.0	L0.4	-0.4	0.0	L0.3	0.9	0.6	0.0	0.4	S0.7	W0.1	L0.7	W0.1	C0.5	7.6
4.5	-0.2	-0.1	64	0.9	3.6	7.6	172	0	0	76	1.0	-0.1	-0.3	1.2	L0.4	-0.6	S0.7	L0.4	0.7	0.8	0.9	0.6	S0.9	C1.1	L0.3	C0.8	B0.1	11.5
4.2	-0.5	-0.7	58	-0.7	0.7	7.1	172	0	0	73	1.5	0.1	0.4	0.7	H1.0	0.4	P1.2	S1.3	3.2	2.3	0.5	-0.3	S2.8	W0.5	L1.3	W0.7	B0.6	23.8
2.7	-0.2	0.6	58	0.8	0.9	5.8	172	0	0	73	1.4	1.1	0.9	1.0	L0.4	0.5	S0.2	S0.3	1.1	1.1	0.7	0.7	S0.8	C1.1	L0.6	C0.7	B0.2	12.8
5.4	0.7	-0.1	60	-0.2	1.8	8.6	172	0	0	74	1.5	0.0	0.7	1.1	H0.8	0.7	P0.4	S1.2	2.6	1.0	0.8	1.0	S1.6	C1.7	S0.4	C1.2	C0.5	23.9
3.4	0.1	0.3	61	1.5	1.9	8.2	171	0	0	75	1.3	1.3	0.6	1.2	L0.5	0.4	P0.1	0.0	0.5	1.3	0.9	0.6	S0.6	W0.2	L0.3	W0.3	C0.2	9.2
3.5	0.5	-0.4	61	0.4	1.1	8.2	171	0	0	75	1.3	0.8	0.9	1.2	L0.2	0.7	S0.3	S0.1	0.8	1.7	0.9	0.9	S0.4	W0.2	S0.2	W0.2	B0.1	12.2
3.9	1.6	1.4	58	2.5	4.9	7.2	171	0	0	73	0.8	1.4	0.9	0.3	H0.7	1.3	P0.5	S1.1	2.5	0.2	0.2	0.1	S1.6	C1.9	L0.2	C0.4	C0.6	17.3
4.8	1.5	-1.4	60	-1.5	1.1	7.8	171	0	0	74	1.6	0.9	0.3	1.3	L0.3	0.6	P0.3	S0.4	1.1	1.3	1.0	0.8	S1.2	C0.1	L0.2	C0.2	C0.3	14.9
4.1	-0.3	-1.9	66	-0.5	2.8	9.3	171	0	0	77	2.4	1.9	0.4	1.6	L0.6	1.0	S0.3	L0.1	2.6	1.7	1.2	0.6	S2.7	C1.4	S0.8	C0.9	C0.9	29.5
3.5	-1.8	-2.3	64	-1.7	-0.3	7.4	170	0	0	76	2.1	2.7	-0.1	2.0	L0.2	0.5	0.0	S0.4	2.3	2.3	1.5	0.2	S2.8	C0.7	L0.3			

# Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI August 2018

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	CAL-MART CHILI LARS	USA 067294430	99K	100	F	1JE946			76	642	0.06	43	0.06	36	509	478	414	461	2.83
G	RIVER VALLEY MAC MODEL-ET	USA 075341177	99K	100	F	200JE10032			76	400	0.24	67	0.10	34	525	487	406	426	2.88
G	JX FARIA BROTHERS DOYBALA (4)-ET	840003140305952	99K	100	F	551JE1709			74	1352	0.07	78	0.01	50	564	548	514	442	2.98
G	FOREST GLEN BANCROFT TATE	USA 067650143	99K	100	F	29JE4087			73	1045	0.01	52	0.01	40	510	495	463	488	2.96
G	AHLEM WHISTLER-ET	USA 067823718	99K	100	F	200JE1140			73	1077	-0.01	50	-0.01	36	518	508	490	425	2.82
G	JX PROGENESIS MILEAGE (6)-ET	124 109960135	99K	100	F	200JE1112			74	1871	-0.07	74	-0.01	65	550	532	497	382	2.87
G	MFV ALTACHIVE-ET	USA 119691058	99K	100	F	11JE1326			77	1383	-0.08	48	0.02	54	489	470	429	420	3.09
G	PROGENESIS HARLEM-ET	CAN 012302933	99K	100	C	200JE1061			76	1350	-0.05	53	-0.02	45	496	484	462	402	2.79
G	JX GENERATIONS TRADITION (5)-P	USA 067289342	99K	100	F	29JE4045			77	1592	-0.05	65	0.01	60	511	488	441	358	2.87
G	JX MEIER LEONEL PALMER (4)	USA 067179059	99K	100	F	551JE1651			75	876	0.12	67	0.06	44	546	515	450	431	2.89
G	JX FARIA BROTHERS TOTTI (4)	840003126052081	99K	100	F	1JE950			77	1013	0.04	57	0.02	40	541	525	490	499	2.96
G	SHAN-MAR ARCHER KNOCK-OUT-ET	USA 067460152	50K	100	F	14JE758			77	919	0.09	63	0.03	40	534	512	465	447	2.90
G	PRIMUS COMANCHE KESTREL-P-ET	840003006436131	99K	100	F	7JE1630			74	1986	-0.19	53	-0.07	56	517	521	533	434	2.98
G	JX FOREST GLEN MONUMENT SULLY (6)	USA 119889365	99K	100	F	97JE165			74	1139	-0.01	53	0.00	40	530	516	489	462	2.80
G	AHLEM TORPEDO HOBBITON 23428-ET	USA 067823428	99K	100	F	7JE1599			73	1260	0.05	70	0.01	47	537	520	485	408	2.91
G	JX AHLEM DETERMIN CHAUNCY (6)	USA 067823330	99K	100	F	7JE1598			76	1064	-0.01	48	0.00	39	492	476	445	403	2.81
G	TOG ALTABLITZ AMES-ET	840003139851986	99K	100	F	14JE1647			73	534	0.15	55	0.07	34	529	496	427	422	2.81
G	JX MFV RULLOFF (5)-ET	USA 119720002	99K	100	F	200JE1106			76	1747	-0.02	78	0.01	66	535	513	465	370	2.99
G	CDF JLS COMANCHE TRIBUNE-ET	840003006436128	99K	100	F	7JE1629			73	880	0.08	58	0.07	46	523	491	422	418	2.99
G	OAK LANE COMANCHE COHORT-ET	USA 067742177	99K	100	F	97JE169			73	969	0.01	49	0.02	39	503	486	450	421	2.97
G	JX PVF WORLD CUP ZANDER (5)	USA 172565169	99K	100	F	97JE173			72	174	0.18	45	0.09	25	495	460	385	443	2.83
G	RIVER VALLEY FERNLEAF FORT-ET	USA 075341034	99K	100	F	200JE10017			77	1053	0.00	49	0.00	37	491	478	454	450	2.83
G	JX CAL-MART SWOOSH (5)-ET	USA 067384557	99K	100	F	29JE4098			73	1469	-0.14	40	-0.03	46	487	483	476	399	2.98
G	AHLEM AXIS BANCROFT-ET	USA 073409475	99K	100	F	29JE3991			80	1247	-0.08	43	0.01	46	490	477	447	423	3.02
G	TOG ALTABLITZ-ET	840003126218629	99K	100	F	11JE1320			76	1069	-0.04	42	0.00	39	489	474	443	394	2.81
G	DP CHISEL DIEGO-ET	USA 119610341	99K	100	F	7JE1547			76	996	0.07	61	0.02	39	536	518	481	423	2.85
G	JX BW COUNTDOWN (5)-ET	840003131148667	99K	100	F	551JE1667			77	1198	-0.06	45	0.02	47	468	446	401	378	2.82
G	SANDCREEKS DAYBREAK COCHISE-ET	840003134637529	99K	100	F	29JE4080			76	641	0.17	65	0.07	38	539	510	446	405	3.06
G	PROGENESIS HARDWORKER-ET	CAN 012302927	99K	100	C	200JE1060			76	1522	-0.06	60	0.00	55	501	483	448	365	2.91
G	JX FOREST GLEN LUMINARY (5)	USA 067650025	99K	100	F	29JE4056			77	1721	-0.18	43	-0.05	52	469	466	462	375	2.92
G	JX RIVER VALLEY BELLA BOOM (6)-ET	840003133234632	29K	100	F	7JE5075			72	1084	0.01	54	0.05	50	481	452	389	387	2.96
G	JX RIVER VALLEY CHECKMATE (5)-ET	840003126479255	99K	100	C	200JE10008			78	1328	0.01	65	0.01	50	482	463	423	369	2.88
G	JX OOMSDALE CONNER (4)-ET	USA 067235830	80K	100	F	200JE1033			77	1168	-0.03	49	0.00	43	483	468	438	383	2.93
G	AHLEM BANCROFT SHOCKER-ET	USA 067823475	99K	100	F	7JE1614			74	850	0.03	47	0.03	37	487	467	425	401	2.94
G	ISDK VJ ADELGAARD HIHL HIWE	DNK 000304155	50K	100	F	236JE220			71	-599	0.53	73	0.23	22	530	462	316	472	2.83
G	JX RIVER VALLEY BELLVO (6)-ET	USA 075341133	99K	100	F	200JE10026			76	1144	0.05	64	0.08	57	471	434	352	329	2.96
G	SANDCREEKS-A COMANCHE SIERRA 244-ET	840003134637559	99K	100	F	7JE1646			73	1017	0.04	56	0.04	44	492	469	420	400	2.96
G	AVI-LANCHE MALCOM (4)-P	840003131651479	99K	100	F	97JE166			75	1037	0.00	50	0.03	43	467	441	391	354	2.72
G	RIVER VALLEY CECE CHOICE	840003133234718	99K	100	F	200JE10027			73	805	0.04	47	0.01	32	466	451	420	337	2.89
G	AHLEM GENOMINATOR MOONBEAM	USA 067823232	99K	100	F	7JE1577			76	570	0.14	55	0.04	29	473	449	402	384	2.81
G	ISDK VJ HAVDAL LAPPE DEE (6)	DNK 000304164	50K	100	F	236JE224			73	-925	0.61	70	0.24	12	521	454	309	446	2.86
G	JX CAL-MART HARRIS SILAS (5)	USA 067294362	99K	100	F	97JE145			76	1023	0.09	67	0.06	50	495	462	393	368	2.95
G	AHLEM BANCROFT SCORPION-ET	USA 067823455	99K	100	F	7JE1612			74	1329	-0.08	46	0.00	47	453	442	417	375	3.02
G	PROGENESIS MALARKEY-ET	CAN 109793000	99K	100	F	200JE1100			75	1122	-0.01	52	0.00	41	469	455	427	367	2.91
G	JX AHLEM TARHEEL CHISM (5)-ET	USA 067823295	99K	100	F	7JE1580			76	906	0.07	57	0.06	44	477	448	386	353	2.92
G	RIVER VALLEY LANI LIFT-OFF-ET	840003126479129	99K	100	F	200JE10005			77	1516	-0.12	46	-0.06	42	425	425	430	327	2.76
G	SUNSET CANYON MOTIVATION	USA 119241794	99K	100	F	29JE4013			76	652	0.03	37	0.04	32	452	428	379	412	2.82
G	AHLEM AXIS COMANCHE-ET	USA 073409554	99K	100	F	1JE928			77	1540	-0.11	49	-0.03	49	455	447	433	338	2.87
G	RIVER VALLEY NBRAZIL SAXXON-P-ET	840003133234518	29K	100	F	202JE604			75	1170	-0.05	46	0.00	43	451	433	398	336	2.76
G	DUPAT DILLAN RAIDER-P-ET	840003127607534	29K	100	F	147JE6226			76	828	0.04	47	0.00	29	456	447	429	436	2.88
G	PEARLMONT REGENCY TIBET	USA 067270696	99K	100	F	14JE1624			76	990	0.03	53	0.05	46	454	430	377	375	3.13
G	JX RIVER VALLEY RUTH RIG (5)-P-ET	USA 075341077	99K	100	F	200JE10019			76	1330	-0.08	47	-0.01	45	429	419	399	351	2.94
G	JX WILSONVIEW SWORD MULTIPLY (6)-ET	USA 119465110	99K	100	F	97JE152			75	946	0.01	48	-0.01	31	458	452	440	408	2.91
G	JX RIVER VALLEY BELLA BOLD (6)-ET	USA 075341080	99K	100	F	7JE5073			73	962	-0.01	44	0.06	47	452	421	355	355	2.93
G	BW BRAVEHEART-ET	840003126536276	13K	100	F	551JE1656			76	639	0.16	62	0.07	38	493	465	403	356	3.12
G	JX PEARLMONT PROP JOE DIMMER (4)	USA 067270655	99K	100	F	1JE955			76	382	0.15	49	0.06	26	469	444	389	413	2.90
G	AHLEM DAYBREAK GENTLEMAN	USA 067823237	99K	100	F	29JE4057			77	977	-0.02	42	0.00	35	455	443	420	333	2.88
G	AHLEM FORMIDABLE WICHITA 22978	USA 074067763	99K	100	F	7JE1537			76	1320	-0.07	49	0.01	50	446	429	392	365	3.00
G	JX SEXING WALTER CRANSTON 60790 (5)	840003010364537	50K	100	F	551JE1642			75	636	0.19	68	0.08	40	465	429	353	333	2.92
G	ISDK VJ KROGAARD RODME QUINTANA	DNK 000304301	50K	100	F	236JE247			73	-182	0.37	64	0.16	24	468	418	310	393	2.88
G	RIVER VALLEY PFEN PROMO-P-ET	USA 075341095	99K	100	F	7JE5071			74	964	0.00	45	0.04	43	455	434	386	392	3.07
G	JX SUN VALLEY JOLT (5)	USA 119282711	99K	100	F	200JE1058			76	1378	0.03	72	0.05	61	465	434	368	303	3.08
G	SCENIC VIEW ASTUTE-P-ET	USA 067359183	99K	100	F	91JE5822			76	1132	-0.05	44	-0.03	35	436	430	421	356	2.82
G	AHLEM VMAN DYNOMITE-ET	USA 067823576	99K	100	F	250JE1616			73	825	-0.01	38	0.02	34	431	412	374	327	2.81
G	DUPAT DILBERT-P-ET	840003127607529	29K	100	F	202JE606			76	687	0.06	45	0.02	28	439	428	403	424	3.04
G	PINE-TREE DAYBREAK POLICY-ET	USA 067771245	99K	100	F	97JE155			76	484	0.14	52	0.04	26	445	427	387	366	3.03
G	JX ROC-BOT DURABLE (5)	USA 075211001	99K	100	F	200JE1057			77	388	0.10	38	0.06	26	449	424	372	357	2.93
G	JX SUNSET CANYON SPLASHED (5)	USA 119306361	99K	100	C	200JE1059			76	1626	-0.02	73	-0.01	57	460	445	414	302	2.93
G	ISDK VJ HOEHOLT JERN JAMES	DNK 000304302	50K	100	F	236JE248			73	-178	0.39	68	0.17	26	469	416	301	379	2.86
G	JX LEGENDAIRY MONEYBAG (5)	USA 119392427	99K	100	F	200JE1065			76	1635	-0.12	53	0.00	59	425	411	378	298	3.08
G	JX RVCF BUZZWORTHY (4)	840003133234707																	

# Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI August 2018

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
5.2	0.4	1.8	63	2.7	3.0	7.3	158	0	0	76	0.8	0.1	-0.2	0.3	H0.4	0.1	S0.1	S0.2	1.6	1.2	0.2	-0.6	S2.2	W0.1	S0.2	C0.1	B0.9	15.4
3.3	-1.9	-0.7	65	0.6	1.3	7.7	158	0	0	77	2.3	1.6	0.4	1.9	H0.3	0.3	P0.1	S0.6	2.6	2.0	1.4	0.6	S2.6	C0.9	S0.5	C0.5	C0.5	28.7
2.3	1.1	-1.7	55	-1.7	-0.2	5.0	157	0	0	72	1.2	0.7	0.4	0.8	H0.1	0.3	P0.3	S0.3	1.2	1.0	0.6	0.2	S1.4	W0.1	L0.4	W0.1	C0.2	12.4
3.5	1.3	1.5	59	3.5	5.4	7.1	157	0	0	74	0.7	0.8	-1.0	1.3	L1.1	-0.5	S0.3	S0.1	-0.3	1.1	1.0	0.0	S0.6	W1.1	S0.6	C0.1	B0.3	4.4
5.8	0.3	-0.5	62	-0.7	2.4	9.1	157	0	0	75	2.3	1.7	0.6	1.1	H0.2	1.2	P0.5	S1.3	3.2	2.1	0.9	0.6	S3.1	C1.4	0.0	C1.3	C0.2	32.7
2.2	-0.9	-3.8	58	-3.1	0.1	6.9	156	0	0	74	1.2	1.7	0.8	1.0	L0.7	0.3	P0.3	S0.4	0.8	1.3	0.8	0.1	S0.6	W0.7	L0.9	C0.3	B0.1	6.5
3.4	-1.7	-0.4	67	1.1	3.2	9.5	156	0	0	78	1.7	1.0	0.2	1.0	H0.3	0.5	P0.3	S0.9	1.7	2.0	0.8	1.0	S2.0	C0.9	L0.3	W0.4	0.0	23.6
3.6	0.1	-1.0	67	-1.0	1.3	8.9	156	0	0	77	1.4	0.4	0.1	1.2	H0.1	0.1	P0.2	S0.6	1.8	1.0	0.9	0.6	S2.1	C0.5	0.0	C0.4	C0.3	20.2
2.5	-1.6	-3.2	64	-2.4	-0.3	7.6	155	0	0	77	0.8	-0.8	0.0	0.5	H0.3	-0.1	S0.1	S0.2	1.0	0.6	0.4	0.6	S0.9	C0.7	L0.2	C0.7	C0.1	11.4
3.7	0.2	-1.0	64	0.1	2.3	6.8	155	0	0	75	0.8	1.2	0.9	0.2	H0.1	0.5	P0.4	S0.3	1.7	0.8	0.2	-0.2	S1.8	C0.6	L0.6	C0.4	B0.1	14.0
4.0	2.6	2.0	67	1.0	2.3	7.1	155	0	0	77	0.8	0.9	0.5	0.2	L1.9	0.3	P0.3	S0.7	0.6	1.1	0.1	0.7	S0.7	W0.1	L0.2	C0.9	C0.1	10.0
3.6	0.1	0.1	67	-1.2	0.0	8.6	155	0	0	77	1.7	1.8	0.6	1.4	H0.2	0.8	P0.1	S1.2	2.1	1.0	1.1	0.5	S2.4	C1.4	L0.6	C0.9	C0.2	22.2
4.1	1.9	-0.9	62	0.3	2.4	9.3	154	0	0	75	1.3	0.3	0.5	1.2	L1.3	-0.1	0.0	L0.2	0.1	1.6	0.9	0.8	D0.1	0.0	S0.1	C0.5	B0.6	7.4
4.8	1.9	0.8	61	1.2	1.1	7.5	154	0	0	75	1.0	1.0	0.8	0.9	H0.3	0.9	S0.2	S0.4	1.6	1.5	0.7	0.3	S1.0	W0.8	L0.7	C0.3	C0.4	12.1
3.4	-0.3	-1.9	62	-2.5	0.5	9.2	153	0	0	75	1.7	0.4	0.2	1.3	L0.7	-0.1	P0.3	S0.3	1.2	1.4	0.9	0.5	S0.7	C1.4	L0.3	C0.1	C0.4	13.5
4.5	1.6	-0.2	63	-0.1	1.3	7.6	153	0	0	77	1.5	1.3	0.3	1.1	L0.2	0.3	S0.1	L0.1	1.6	1.6	0.9	0.4	S1.7	C1.5	S1.1	C1.6	C0.2	21.6
4.9	1.7	-0.3	60	0.6	2.0	7.8	153	0	0	74	1.1	-0.4	-0.3	0.6	L0.4	-0.1	P0.2	S0.1	1.0	0.7	0.5	-0.3	S1.3	C0.3	S0.8	W0.1	C0.1	11.1
1.7	-2.6	-3.8	61	-3.3	-0.5	7.9	152	0	0	75	1.5	0.4	0.7	0.9	L0.5	0.5	P0.4	S0.2	0.9	1.2	0.7	0.1	S0.5	C0.5	L0.2	W0.8	C0.3	8.7
3.6	0.6	-0.8	63	0.7	3.3	9.2	151	0	0	76	1.2	2.3	0.9	1.3	L0.6	0.9	S0.1	S0.9	1.2	0.9	0.9	0.5	S1.0	C0.8	0.0	C0.1	C0.2	13.3
5.2	0.8	-0.1	62	0.7	3.6	9.7	151	0	0	75	1.9	2.8	0.7	1.6	L1.2	0.8	S0.2	S0.8	1.9	1.4	1.2	0.3	S2.3	C1.4	S0.7	C0.5	C0.3	23.6
5.2	0.2	1.6	58	2.3	3.3	6.7	151	0	0	73	1.5	0.4	0.3	0.4	H0.9	0.7	P0.7	S0.9	2.8	1.3	0.3	0.3	S2.8	C1.1	L0.3	C0.2	B0.2	26.0
4.4	0.9	1.7	66	1.0	0.2	8.4	150	0	0	78	1.0	0.6	0.0	0.8	L0.8	-0.1	S0.2	S0.2	0.9	1.1	0.6	1.0	S0.9	C0.9	L0.6	C1.3	0.0	13.6
4.5	2.5	-0.7	58	-0.4	1.4	6.7	149	0	0	73	1.9	2.2	0.9	1.1	L0.2	1.1	P0.9	S1.2	2.8	2.4	0.8	0.6	S2.7	C1.7	L0.1	C0.9	B0.1	30.7
3.3	2.4	0.0	67	0.7	2.2	9.6	149	2	3	79	1.4	0.8	-0.6	1.4	L1.0	-0.1	P0.9	S0.7	1.1	2.2	1.0	0.1	S0.7	C0.4	S0.6	C1.1	B0.7	14.0
4.9	2.6	-0.4	67	-0.2	1.8	9.4	148	0	0	77	1.6	0.7	-0.1	1.1	L1.0	0.1	P0.2	S0.1	0.9	1.9	0.9	0.1	S1.1	C0.1	S1.0	W0.3	C0.1	14.7
4.9	1.1	-0.8	63	-1.0	0.8	8.5	148	0	0	76	1.5	1.6	0.5	1.4	L0.9	0.4	P0.2	S0.7	1.0	1.6	1.0	0.5	S0.7	W0.3	S0.1	C0.1	C0.2	12.0
4.1	0.1	-0.3	64	0.1	1.6	6.9	147	0	0	77	0.6	1.2	0.7	0.6	L0.1	0.3	0.0	L0.2	1.0	0.2	0.4	0.3	S1.8	C1.0	L0.2	C0.3	C0.5	13.6
4.2	1.8	-1.8	65	-0.7	2.8	8.5	147	0	0	77	1.0	-0.2	-0.8	1.0	L0.7	-0.5	P0.1	S0.2	0.5	1.3	0.8	0.2	S0.9	W1.1	S0.8	0.0	B0.2	9.6
2.9	0.4	-2.6	67	-1.4	1.0	8.7	146	0	0	77	1.3	0.7	0.4	1.5	H0.1	0.3	S0.3	0.0	0.6	0.4	1.1	0.4	S0.5	C0.1	L0.6	C0.4	C0.3	5.9
3.9	0.4	-1.4	65	-0.6	0.2	8.7	146	0	0	77	1.2	0.0	0.0	0.8	H1.3	0.1	P0.7	S0.7	2.2	1.2	0.6	0.3	S2.2	W0.2	L0.7	C0.3	B0.2	19.1
2.1	-0.6	-0.5	61	-1.1	-1.5	8.4	146	0	0	74	1.3	1.1	-0.1	1.4	L0.5	-0.2	S0.2	S0.6	0.9	1.5	1.0	0.2	S1.2	C0.4	S0.2	W0.1	C0.7	13.6
2.5	-2.6	-2.0	68	-1.6	1.3	8.7	145	0	0	78	1.3	1.0	0.3	1.3	L0.4	0.0	S0.1	S0.1	0.5	1.6	1.0	1.2	S0.6	C0.2	L0.7	C0.3	B0.2	12.2
4.5	0.8	-1.0	66	-0.2	3.4	8.0	144	0	0	77	1.6	3.5	0.9	0.7	L1.1	1.6	P0.3	0.0	2.5	2.5	0.6	-0.4	S2.7	W0.7	S0.4	C0.4	B0.3	24.0
4.2	2.3	-0.3	61	0.9	2.3	8.5	144	0	0	75	1.8	0.9	0.4	1.2	L1.3	0.3	P0.2	S0.1	1.5	1.9	0.9	0.3	S1.3	C0.9	S0.4	C1.3	B0.2	18.1
2.5	-1.3	2.3	49	2.3	2.4	1.9	144	0	0	65	-0.3	0.9	0.2	-0.3	L0.8	0.2	P0.7	S0.3	0.0	-0.3	-0.2	-0.3	S1.9	W0.9	L0.7	W0.7	C0.9	4.3
1.0	-2.1	-2.9	64	-2.0	1.9	7.3	143	0	0	76	0.8	1.8	0.4	0.6	L1.1	0.1	S0.5	S0.5	0.8	0.7	0.5	0.2	S1.3	C0.2	S0.2	C0.1	C1.0	11.3
3.5	-0.3	-0.6	61	0.0	1.3	8.6	143	0	0	75	1.4	1.5	0.5	1.0	L1.0	0.2	P0.2	S0.6	1.2	1.5	0.8	0.2	S1.2	C0.4	S0.3	W0.1	B0.1	14.6
3.7	-1.3	-1.4	62	-1.0	1.2	7.7	143	0	0	76	1.7	1.7	0.7	1.3	H0.3	1.1	P0.5	S0.3	1.8	1.5	1.0	0.3	S1.6	C0.1	L0.1	C0.5	0.0	17.5
4.6	0.5	-2.3	63	-2.6	1.7	9.3	143	0	0	75	2.9	1.7	0.3	1.5	L0.6	0.7	P0.9	S1.0	3.5	3.1	1.1	1.0	S3.6	C2.1	S0.3	C0.4	B0.1	41.3
3.9	0.5	-0.5	66	0.3	2.7	8.9	142	0	0	77	1.6	1.0	0.4	0.8	L0.4	0.3	P0.1	S0.3	2.0	1.3	0.6	0.5	S2.2	0.0	S0.4	C0.9	C0.2	21.6
3.5	1.0	1.4	52	4.3	4.4	1.7	142	0	0	66	-1.0	-0.5	0.0	-0.6	L0.7	-0.4	S0.1	S0.3	-0.1	-0.7	-0.4	0.6	S1.3	C0.8	S0.3	W0.7	C0.3	7.5
1.5	-1.7	-2.1	64	-2.3	0.1	7.1	140	0	0	76	1.3	0.3	0.7	1.1	H0.4	0.6	P0.8	S1.0	1.2	1.0	0.8	0.3	S1.0	W0.1	L0.4	W0.1	C0.3	11.0
2.8	1.5	-0.9	62	0.4	3.3	9.6	140	0	0	76	1.3	0.4	-0.4	1.3	L1.5	-0.5	S0.6	L0.5	0.6	2.0	1.0	0.3	S0.2	C0.2	0.0	C1.3	B0.2	9.3
3.9	0.2	-1.4	59	-0.6	2.3	7.2	139	0	0	74	1.1	1.6	-0.1	0.8	L1.0	0.0	S0.3	S0.3	1.5	1.8	0.6	-0.7	S2.2	W0.9	S0.9	W0.3	C0.4	16.5
2.6	-0.2	-1.8	67	-1.4	-0.2	8.9	138	0	0	76	1.5	1.7	0.5	0.8	L0.6	0.7	P0.7	S0.8	2.1	1.9	0.6	-0.2	S1.5	C0.8	S0.3	C1.5	C0.7	18.4
3.9	-1.0	-2.1	67	-0.9	2.2	9.1	138	0	0	78	1.5	0.7	-0.1	1.0	H0.5	0.2	0.0	S0.4	1.9	0.3	0.8	0.3	S2.8	C1.1	L0.1	C0.6	B0.6	21.3
5.0	1.4	1.9	65	2.7	2.8	7.8	138	0	0	76	1.0	1.3	0.9	0.5	L0.5	0.7	S0.6	S0.1	1.5	0.8	0.4	0.2	S1.4	C0.3	L0.8	C0.1	B0.6	12.5
3.6	0.5	-2.2	68	-1.4	2.5	9.1	137	0	0	78	1.6	2.3	0.9	1.6	L0.8	0.7	S0.2	S0.3	0.7	1.2	1.2	0.2	S1.2	C0.5	S0.9	C0.6	B0.6	13.5
3.2	-0.1	-1.8	62	-1.9	0.3	8.6	137	0	0	75	1.8	1.8	0.1	1.7	H0.1	0.7	P0.1	S0.6	1.9	2.0	1.3	0.0	S1.7	C0.2	L1.0	C0.2	C0.2	17.0
4.4	0.4	1.9	66	2.3	1.2	8.8	137	0	0	77	1.0	-0.2	-0.7	0.4	L1.4	-0.9	0.0	0.0	0.7	1.5	0.3	-0.1	S1.2	W0.3	0.0	C0.1	C0.5	10.5
2.7	-1.0	-0.7	65	0.9	2.5	7.8	136	0	0	77	1.4	0.5	0.1	1.0	L0.7	0.0	S0.2	S0.3	0.8	1.3	0.8	0.3	S0.8	C1.4	S0.6	0.0	C0.5	13.2
2.3	-1.2	-1.3	65	-0.3	1.3	7.7	136	0	0	77	2.4	2.2	0.9	1.6	0.0	1.1	P0.3	S0.9	2.4	2.7	1.2	0.7	S2.2	C1.5				

# Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI August 2018

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	GOLDEN DREAM AMERICAN PHAROAH-P	USA 127553124	45K	100	F	566JE106			74	557	-0.03	21	0.02	25	410	395	362	403	2.90
G	JX FARIA BROTHERS COURTOIS {5}	840003126052036	99K	100	F	200JE1047			76	1455	-0.02	65	0.02	57	412	388	338	272	2.90
G	ELLIOTTS REGENCY CASINO-ET	840003125141657	50K	100	F	14JE725			76	490	0.04	31	0.08	34	391	361	293	322	3.03
G	JX FANELLI CHRISTTY {5}-P-ET	USA 119728475	29K	100	F	97JE157			75	519	0.07	39	0.06	30	427	401	347	357	2.90
G	JX AHLEM BRUNO {5}-ET	USA 074067613	99K	100	F	551JE1654			77	930	0.02	48	0.01	36	400	385	354	310	2.93
G	ISDK VJ KLOVBORG HJORT KLOV {6}	DNK 000304276	50K	100	F	236JE243			71	-65	0.26	48	0.13	24	421	374	275	365	2.75
G	ISDK VJ ALSTRUP HICKEY HAMA	DNK 000303968	50K	100	F	236JE178			72	-147	0.29	49	0.13	20	452	412	325	454	2.98
G	PINE-TREE KWYNN CUATRO-ET	USA 067731388	29K	100	F	566JE104			75	79	0.14	32	0.08	18	362	333	272	317	2.82
G	SUNSET CANYON DAUPHIN-ET	USA 119244292	13K	100	F	147JE6225			76	876	0.21	85	0.08	48	486	452	378	335	3.06
G	BW PAXTON-ET	USA 119446229	99K	100	F	551JE1649			77	669	0.06	44	0.03	31	395	375	334	311	2.92
G	ISDK VJ HAGENBERGGAARD HITMAN {5}	DNK 000304254	50K	100	C	236JE231			71	-610	0.29	26	0.18	12	367	316	204	369	2.86
G	RIVER VALLEY DAHLIA DEFIANT	840003126479063	99K	100	F	200JE10016			76	1264	-0.09	42	-0.02	41	414	406	390	333	2.84
G	JX PROGENESIS TOTALLY {6}-ET	124 012302897	99K	100	C	200JE1049			75	699	0.04	41	0.01	27	408	395	370	304	2.88
G	ISDK VJ AARRE LAPPE LARI	DNK 000304158	50K	100	F	236JE222			72	-234	0.27	41	0.13	17	399	357	267	359	2.83
G	JX SEXING GFRAPP GOLDEN {4}-P-ET	84000310364640	13K	100	C	551JE1653			75	823	-0.02	34	0.06	41	393	369	316	288	3.14
G	ALL LYNNS NIKON VALERGO-PP	USA 119288203	99K	100	F	11JE1294			77	783	0.11	59	0.06	40	432	409	357	281	3.19
G	FOREST GLEN PREMIUM GOLD	USA 067609471	99K	100	F	97JE150			76	496	0.22	68	0.08	34	439	410	344	346	3.07
G	ISDK VJ MOSEGAARD HILARIO HAARE	DNK 000304229	50K	100	F	236JE229			72	27	0.25	51	0.14	28	406	360	260	346	2.88
G	TATE BENEFACOR SAVIOR-ET	840003006436157	29K	100	F	147JE6227			75	1532	-0.11	49	-0.04	46	389	385	380	312	2.83
G	TOG ZORRO-PP-ET	840003125202110	13K	100	F	54JE626			79	-42	0.22	42	0.07	12	389	364	313	318	2.86
G	OOMSDALE ANIECE NIKON ADAM-P-ET	USA 067235833	99K	100	F	91JE5694			77	434	0.14	48	0.04	23	373	357	323	248	3.02
G	AHLEM BALIN-ET	USA 072520700	80K	100	F	200JE1014			79	-68	0.11	19	0.01	0	307	301	291	305	2.90
G	MULTI-ROSE CREDIBULL COMET-PP-ET	840003014373525	13K	100	F	54JE625			79	739	0.07	50	0.02	30	358	347	321	251	3.07
G	ST-LO NUANCE-ET	CAN 109541955	99K	100	F	200JE1089			73	-205	0.14	17	0.03	-1	289	276	251	247	2.78
G	HOMETOWN IRWIN ATTRACTION 83A	CAN 011879369	80K	100	F	91JE5592			80	744	-0.03	29	0.01	28	273	263	243	187	2.98
G	ISDK VJ HOEHOLT PICK PEREZ {6}	DNK 000304130	50K	100	F	236JE212			74	-650	0.38	42	0.20	15	326	268	142	209	2.88
G	DUTCH HOLLOW SANTANA CASE-PP-ET	840003131737417	29K	100	F	54JE636			75	1001	-0.06	35	0.01	38	298	286	259	158	3.04
G	DUPAT CHARLEMAGNE 521-ET	840003127607540	29K	100	F	44JE532			76	1214	-0.10	36	-0.06	31	274	283	303	197	3.01
G	DUPAT BRIER 476-ET	USA 067163476	13K	100	C	44JE529			76	1460	-0.13	42	-0.02	49	279	270	251	199	2.98
G	HILMAR SPARKY ATLAS {5}-ET	USA 119268647	29K	100	F	100JE7367			78	420	0.05	31	0.04	23	285	269	234	226	3.05
G	DUPAT BRIER 474-ET	USA 067163474	13K	100	C	44JE528			76	1423	-0.11	44	-0.02	46	282	277	265	208	3.00
G	LAMARIA WILBERT-ET	CAN 109960092	99K	100	F	551JE1693			75	496	0.05	33	0.00	17	279	273	262	189	2.90
G	JX DUPAT PLUS 473 {4}	USA 067163473	13K	100	C	44JE527			74	1173	-0.11	32	-0.03	36	215	213	210	187	2.98
G	ALL LYNNS VERNON MACARTHUR-ET	USA 118612153	80K	100	F	202JE601			77	278	0.16	45	0.05	21	298	281	242	236	3.17
G	BW VALENCIA-ET	840003126536268	13K	100	F	551JE1657			76	387	0.07	32	0.01	16	254	248	234	123	3.06
G	GOLDEN DOMINATE-ET	CAN 012344082	99K	100	F	94JE4062			77	321	0.04	24	0.02	16	205	194	170	139	2.95
G	RIVER VALLEY VICTORIOUS-ET	840003126479524	99K	100	F	7JE5032			78	-46	0.10	17	0.06	10	194	174	131	119	2.92
G	ISDK ADELGAARD PRIMERO PRIMAL	DNK 344803387	29K	100	F	97JE176			74	-700	0.26	17	0.08	-10	251	234	196	246	3.03
G	SEXING 77642-ET	840003132351476	99K	100	F	551JE1716			76	-261	0.09	5	0.03	-4	160	149	128	133	2.77
G	RIVER VALLEY RICKI ROCKSTAR	840003126479237	99K	100	F	200JE10009			76	-452	0.17	11	0.06	-5	198	182	149	165	2.89
G	UNIQUE HP HELLCAT	CAN 012726323	99K	100	F	250JE1668			74	40	0.01	3	0.03	8	164	152	127	104	2.96
G	SPRUCE-H CHRIS-PP-ET	USA 067106207	8K	100	C	202JE602			76	77	0.16	36	0.02	7	210	203	188	106	3.04
G	RIVER VALLEY JOYRIDE-ET	840003126479085	99K	100	C	200JE10011			77	-72	0.08	13	0.05	7	145	133	104	100	3.12
G	BW ARMISTICE-ET	USA 117795635	50K	100	C	44JE521			78	-7	0.09	17	0.03	5	136	130	115	121	3.11
G	ENNISKILLEN ENGINEER 401	CAN 012038719	99K	100	F	224JE2479			77	-674	0.20	7	0.06	-12	142	132	106	146	3.12
G	HOMETOWN MERCHANT ANDRETTI-ET	CAN 011295001	50K	100	C	91JE5453			78	640	0.05	40	0.02	28	143	130	103	60	3.10
G	HER-MAN BARNABAS 210-ET	840003124766079	13K	100	F	91JE5867			76	-535	0.16	6	0.05	-10	87	76	52	34	2.92
G	AUDIBEL NOTEBOOK-ET	CAN 110059221	99K	100	F	551JE1694			73	-35	-0.01	-3	0.04	6	93	87	69	93	3.23
G	RIVER VALLEY STRIKEZONE-ET	840003133234760	99K	100	F	200JE10031			77	-276	0.07	0	0.06	2	87	73	41	53	3.12
G	BW ATLAS-ET	USA 117799901	50K	100	F	44JE520			79	640	0.01	33	-0.03	16	96	102	116	0	3.08
G	COVINGTON MILAD TRISTRAM-P	USA 118541332	80K	100	F	566JE102			79	-829	0.20	-2	0.09	-13	15	-5	-48	-23	2.97
G	RIVER VALLEY VENUS V I P-ET	840003126479167	99K	100	F	200JE10003			76	-997	0.16	-17	0.07	-23	-10	-19	-42	-4	3.07
G	TRIPLE-T-CF MR SWAGGER-ET	840003128791561	99K	100	F	7JE1605			76	-1554	0.32	-16	0.14	-30	-25	-48	-102	-28	3.17
G	PLEASANT NOOK WR HG VENUE	CAN 011950642	80K	100	F	91JE5604			78	-1415	0.34	-5	0.14	-25	-14	-40	-100	37	3.08
G	RIVER VALLEY LOLALALA-ET	USA 075341116	99K	100	F	200JE10023			76	-635	-0.01	-32	0.02	-19	-119	-117	-114	-84	3.11
G	COLTON FLAME FIREMAN	USA 118155636	99K	100	F	94JE4004			78	-1074	0.18	-18	0.09	-22	-64	-78	-111	-84	3.09
G	KCJF HIRED MAGICIAN	840003138865447	99K	100	F	7JE1705			76	-1528	0.25	-27	0.09	-39	-83	-92	-113	0	3.08
G	KIMBALL-WAY VENETIAN	840003145690547	99K	100	F	94JE4114			74	-1084	0.19	-17	0.06	-28	-107	-109	-118	-72	3.22
G	J-KAY TEQUILA FIZZ	USA 067060052	99K	100	F	7JE1486			78	-1106	0.16	-23	0.05	-31	-215	-214	-217	-243	3.17
G	ISAU BUSHLEA MAVERICK 2	AUS A00025872	99K	100	F	200JE8183			74	-1288	0.29	-8	0.13	-23	-270	-290	-338	-313	3.23

# Herd Register or Generation Count 4-6 and BBR 100: Genomic Tested (G) Bulls by JPI August 2018

PL	LIV	DPR					JPI	Type Hrds	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	EFI																						
5.3	3.4	3.0	64	3.3	2.3	8.6	126	0	0	76	1.3	0.9	0.7	0.2	0.0	0.8	P0.4	S0.7	2.0	1.5	0.1	0.1	S2.0	C0.2	L0.2	W0.1	B0.1	18.9
0.3	-5.0	-3.6	64	-3.8	-1.9	6.9	125	0	0	76	1.0	-0.2	0.2	0.4	H0.3	0.0	P0.6	0.0	1.3	1.5	0.3	0.0	S1.1	C0.3	L1.1	W0.5	B0.2	11.2
3.0	1.1	0.1	67	0.7	2.2	8.7	125	0	0	77	2.1	2.0	0.8	1.6	L0.3	1.1	0.0	S0.9	2.2	1.8	1.2	0.8	S2.0	C1.7	S0.6	C1.0	C0.2	26.3
4.2	0.2	0.6	64	0.1	-0.4	7.8	125	0	0	75	1.8	1.0	0.5	0.8	H0.4	0.9	P0.6	S1.0	2.7	1.9	0.6	0.0	S1.6	C1.4	S0.1	C1.0	0.0	21.8
2.9	-0.8	-1.3	65	-0.8	0.8	8.1	124	0	0	78	1.3	0.2	0.2	0.6	H0.3	0.2	S0.3	S0.3	1.8	1.0	0.4	1.0	S2.0	C1.1	L0.7	C0.9	B0.5	20.9
2.9	-0.6	1.4	50	1.6	1.9	2.3	124	0	0	66	-0.1	-0.1	-0.5	-0.2	L1.3	-0.2	P0.1	S0.2	0.3	-0.1	-0.2	-0.8	S0.8	W0.5	S1.0	W0.3	C0.6	2.0
4.4	-0.2	3.8	51	4.4	4.2	2.3	124	0	0	68	-0.2	-0.4	0.0	-0.5	L0.5	0.0	S0.5	S0.1	0.3	0.1	-0.4	-0.6	S0.5	W1.2	L0.7	W0.5	C0.2	-1.7
2.9	1.2	0.9	64	1.3	2.0	8.0	124	0	0	76	2.0	1.3	0.4	0.7	H0.1	0.8	S0.1	S0.4	2.9	1.6	0.5	0.8	S3.2	C1.7	S1.4	C0.3	C0.3	34.3
0.6	-1.8	-3.1	63	-2.5	-0.5	7.3	121	0	0	75	0.0	0.8	0.4	0.9	H0.2	0.3	P0.2	S0.1	-0.4	-0.1	0.7	0.0	D0.8	W0.1	L0.8	W0.1	C0.2	-6.3
3.3	-0.3	-0.8	67	-0.7	2.0	9.2	121	0	0	78	1.4	0.4	0.2	0.4	H0.1	0.3	S0.1	S0.5	2.3	1.0	0.3	-0.2	S2.4	C0.9	S0.9	C0.2	C0.5	21.7
3.7	1.2	3.7	55	4.7	4.5	3.0	121	0	0	69	-0.6	-0.1	-0.9	-1.6	L0.3	-0.9	S0.2	S0.3	1.2	-0.3	-1.2	0.1	S2.6	0.0	S0.2	0.0	C0.1	14.8
3.5	1.1	-0.5	64	-0.7	-0.2	7.6	120	0	0	77	1.0	-0.2	0.5	0.6	L0.5	0.0	P0.5	S0.5	0.8	0.5	0.5	0.0	D0.6	C0.5	S0.6	C1.1	C0.7	2.6
4.5	2.2	-1.0	63	-1.8	0.4	9.0	120	0	0	76	1.4	0.3	-0.1	0.3	L0.6	-0.2	S0.3	S0.2	2.0	1.2	0.2	0.8	S1.9	C0.6	L0.2	W0.3	B0.3	20.9
3.4	0.7	1.4	54	3.7	4.7	2.4	120	0	0	69	-0.8	-1.0	-0.4	-0.9	L0.6	-0.6	P0.2	S0.5	0.3	-0.1	-0.7	0.3	S1.1	C0.7	0.0	W0.5	C0.4	7.4
3.8	1.6	-1.0	63	-1.1	1.1	7.7	119	0	0	75	1.2	-0.5	-0.4	0.4	L1.0	-0.4	S0.1	L0.9	0.4	1.6	0.3	0.8	S0.7	C1.7	S0.2	C2.1	B0.7	14.0
2.6	-0.7	-3.2	67	-3.5	-1.1	9.1	118	0	0	78	2.2	1.4	0.6	1.8	H0.1	1.2	S0.2	S0.4	2.0	2.3	1.4	1.2	S2.7	C0.1	L0.8	C1.0	C0.1	27.4
2.2	-2.6	-0.9	63	-0.5	-0.7	7.4	118	0	0	76	1.2	1.2	0.4	1.0	L0.3	0.6	P0.2	S0.4	0.8	1.1	0.8	0.6	S1.0	C0.6	L0.2	C1.3	B0.3	12.5
2.0	-1.2	0.5	53	3.2	1.7	2.1	117	0	0	68	0.1	0.0	0.3	0.3	H0.9	0.5	P0.2	S0.3	0.0	-0.2	0.2	-0.2	S1.0	W0.8	S0.2	W0.7	C0.6	2.5
2.0	-1.9	-1.4	64	-0.8	0.5	7.7	113	0	0	76	1.4	2.2	0.9	1.6	H0.6	1.2	S0.5	S0.7	0.6	1.2	1.2	-0.1	S0.4	W0.2	L1.6	W0.3	B0.4	3.6
4.5	0.9	0.3	64	0.3	1.5	8.0	107	0	0	76	1.2	1.2	0.3	0.6	H0.2	0.3	P0.2	S1.2	1.3	1.0	0.5	0.8	S2.5	W0.1	L0.4	C0.5	0.0	19.9
3.3	0.7	-2.4	65	-2.6	-0.7	8.8	102	0	0	78	1.9	1.9	0.4	1.4	0.0	1.0	P0.5	S1.0	1.9	1.4	1.1	0.9	S3.0	C1.1	S0.8	C0.9	C0.2	28.8
4.0	2.6	1.9	66	1.1	1.6	8.9	102	1	1	78	2.5	1.6	-1.1	1.7	H0.9	0.3	P0.3	S1.4	2.9	2.2	1.3	1.3	S3.9	C1.1	L0.1	C1.4	B0.3	37.9
2.4	0.2	-2.1	63	-2.1	-0.2	7.1	98	1	1	76	0.8	0.0	-0.1	0.2	L0.2	0.2	S0.5	S0.1	1.6	1.3	0.2	0.0	S1.9	W0.2	L0.3	C0.3	B0.6	15.7
4.6	2.1	0.7	61	0.3	1.4	8.6	90	0	0	74	2.4	2.6	0.2	1.2	H0.8	1.5	P0.5	S1.8	3.7	2.0	0.9	0.6	S4.3	C1.2	L0.2	C1.0	C0.3	38.6
2.3	-0.7	-1.7	67	-2.4	-0.3	9.0	87	2	3	78	1.6	1.2	-0.7	1.5	L0.6	-0.8	S0.3	L0.4	1.1	2.0	1.1	-0.2	S1.4	C0.3	S0.7	C0.9	C0.3	15.5
2.0	-0.6	-0.9	57	-1.0	-1.7	3.9	87	0	0	71	-0.4	0.1	-0.3	-0.5	H0.5	0.5	P0.5	S0.5	1.3	-0.3	-0.4	-0.6	S2.7	W0.5	S0.4	W0.8	C0.8	12.7
1.6	0.1	-3.8	64	-4.4	0.9	8.5	86	0	0	76	1.4	0.9	0.2	0.7	L0.1	-0.3	P0.3	S0.1	1.5	1.7	0.6	0.2	S1.8	W0.3	L1.3	W0.3	B0.2	15.1
2.5	-1.3	-2.0	67	-2.8	0.7	9.4	85	0	0	77	1.1	1.1	-0.3	1.1	L1.2	0.4	S0.2	0.0	1.2	0.6	0.8	-0.3	S2.2	C1.3	S0.4	C0.3	C0.3	16.1
0.8	-3.8	-1.7	65	-2.2	-1.2	8.8	84	0	0	76	0.4	0.9	0.5	0.6	L0.3	0.4	S0.3	L0.5	-0.1	0.3	0.4	-0.1	D1.0	C0.8	L0.5	C0.4	C0.2	-4.1
2.0	0.3	-0.5	69	-0.6	0.9	9.9	84	0	0	79	0.9	0.4	-0.3	1.1	L0.9	0.2	P0.2	S0.6	0.6	0.4	0.9	0.8	S0.9	C2.2	L0.3	C0.8	C1.1	12.3
0.6	-2.2	-1.4	64	-1.8	-1.7	8.3	81	0	0	76	0.3	1.3	0.6	0.6	L1.2	0.3	S0.7	L0.9	-0.9	0.5	0.5	0.4	D1.2	C0.2	L0.8	C0.4	C0.2	-6.1
2.5	0.1	-1.9	63	-2.6	-0.2	9.1	79	0	0	75	1.9	2.8	0.4	1.3	0.0	1.0	P0.7	S1.2	2.7	1.7	1.0	0.1	S3.1	C0.3	L0.4	W0.2	C0.5	26.3
-0.1	-4.7	-0.6	60	-1.5	-2.2	5.2	73	0	0	74	0.7	0.4	-0.6	0.9	H0.4	0.1	P0.2	S0.1	0.5	1.7	0.7	-0.1	S0.6	C0.4	L0.8	C0.7	B0.2	7.4
1.6	0.9	-0.3	65	-0.1	-0.7	6.0	73	0	0	76	0.0	-0.3	-0.3	-0.2	L0.1	-0.5	S0.4	L0.1	0.1	-0.1	-0.1	-0.3	S0.5	C0.1	S0.1	W0.4	C0.6	1.4
3.3	-0.9	-3.7	64	-4.0	-0.8	8.4	73	0	0	76	2.2	0.0	-0.4	1.6	H0.7	0.0	P0.8	S0.2	2.8	2.1	1.2	0.0	S3.3	C1.4	S1.2	C0.6	C0.6	32.1
1.7	-1.6	-1.8	65	-0.6	1.7	8.1	68	0	0	77	1.7	0.5	0.5	0.8	H0.5	0.3	P0.2	S0.7	2.3	1.5	0.6	0.6	S2.1	C1.6	0.0	C0.6	0.0	24.3
2.4	-2.0	-1.7	67	-1.4	1.7	7.8	68	0	0	77	2.0	1.4	0.0	1.1	H0.6	0.6	P1.1	S0.7	2.7	2.1	0.8	0.6	S3.2	C1.9	S0.5	C1.1	B0.3	33.1
5.0	1.9	2.0	59	3.1	3.5	4.9	67	0	0	71	1.3	1.2	0.4	0.5	H0.7	0.6	P0.6	S1.1	2.6	1.4	0.4	0.7	S2.8	C0.3	L0.3	C0.5	C0.2	26.2
3.0	1.2	0.4	66	0.0	1.8	8.7	63	0	0	77	1.9	1.4	0.4	0.6	H0.5	1.2	P0.5	S0.7	3.5	1.3	0.4	0.5	S3.8	C1.3	S1.4	C0.7	C0.8	36.2
4.6	0.5	0.8	65	1.0	1.4	6.9	60	0	0	76	1.6	1.9	0.4	0.4	H1.2	1.3	P0.5	S0.6	2.7	1.2	0.3	0.6	S3.5	C1.0	L0.4	C0.9	B0.8	29.5
3.7	0.6	-0.8	62	-0.7	1.9	9.0	55	0	0	75	1.8	1.8	0.4	1.1	L0.6	0.2	0.0	S0.1	1.5	1.9	0.8	0.7	S2.5	C0.6	S0.2	C0.7	C0.1	24.3
1.9	0.4	-3.1	66	-2.1	1.2	8.8	55	0	0	76	1.1	-0.3	-0.3	1.5	H0.8	0.2	S0.3	L0.4	0.9	1.2	1.1	1.0	S1.1	C0.3	S0.4	C1.6	B0.5	15.7
1.1	-0.7	-1.1	66	-1.6	1.9	7.5	46	0	0	77	2.2	1.9	0.0	1.3	H0.1	0.5	P0.9	S1.1	2.1	2.4	1.0	0.2	S3.1	C0.6	S0.1	C0.6	B0.2	27.9
1.2	-0.1	0.2	70	0.4	-0.4	8.5	40	0	0	79	1.0	0.2	-0.5	0.8	L0.6	-0.4	S0.3	S0.1	0.9	1.2	0.6	0.1	S0.9	C0.6	S0.5	C1.0	C0.6	11.7
3.6	2.2	2.2	65	1.1	-1.0	7.5	30	0	0	77	1.0	0.7	0.2	0.2	H0.5	0.6	P0.6	S0.9	1.9	0.8	0.2	-0.1	S2.2	C0.5	S0.4	W0.2	C0.4	18.3
-1.8	-3.3	-2.6	68	-4.1	-2.5	8.3	29	0	0	78	0.3	1.5	0.2	1.2	L1.1	0.0	P0.4	L0.4	-1.0	0.4	0.9	-0.4	D1.0	W0.9	L0.2	C0.6	C0.8	-9.2
2.6	-2.0	-1.5	65	-1.4	1.5	8.4	29	0	0	77	2.4	2.0	0.7	1.6	L0.3	0.9	P0.9	S1.2	3.0	2.8	1.2	1.2	S3.2	C1.4	L0.2	C1.3	B0.8	36.4
1.6	1.9	1.0	61	0.5	0.9	8.1	27	0	0	74	1.5	1.3	0.7	1.1	L0.1	0.7	P0.5	S0.7	0.9	1.1	0.8	0.6	S1.0	C1.5	S0.6	C0.9	C0.1	15.2
1.8	0.5	-0.3	63	-0.4	1.1	6.5	27	0	0	77	1.4	2.6	0.8	1.0	H0.7	1.1	P0.6	S0.9	2.6	0.8	0.7	0.0	S2.9	C1.4	0.0	C0.4	C0.4	24.3
-0.6	-1.9	-4.0	70	-3.9	-1.4	8.6	20	0	0	79	0.7	0.8	-0.1	1.6	L1.0	-0.3	S0.9	L0.8	0.1	1.1	1.2	-0.5	0.0	0.0	S0.6	C0.1	C0.4	2.3
1.1	-0.3	-0.7	65	-1.4	1.5	8.5	4	3	3	78	1.9	0.7	0.9	1.0	H0.8	0.9	0.0	S0.7	2.1	1.5	0.8	0.7	S1.3	C1.7	S0.2	C1.0	B0.4	21.0
1.7	3.0	1.1	60	0.1	-0.1	4.5	1	0	0	75	1.4	2.1	-0.1	0.5	H0.7	0.7												