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Profit Sharing Sale
SALE ORDER
February 18, 2021 | 1:00 PST

BULLS

11	43	6	107
79	50	38	113
32	54	39	111
64	56	41	115
58	49	44	116
121	69	45	117
17	82	46	120
18	84	52	124
19	87	57	123
33	88	59	
35	94	60	
55	98	62	
73	112	63	
85	114	65	
80	119	61	
81	118	72	
92	122	76	
103	40	67	
78	48	71	
109	125	74	
110	127	83	
3	128	86	
10	129	93	
13	130	95	
8	126	96	
24	131	97	
25	1	99	
26	2	100	
28	4	101	
21	5	104	
23	7	105	
27	9	102	
29	12	90	
30	14	91	
36	16	106	
42	15	108	

FEMALES

201	235
203	236
202	237
204	238
BLACK GROUPS	239
205	240
206	241
207	242
208	243
209	244
210	245
211	246
212	247
213	248
214	249
215	250
216	251
217	252
218	253
219	RED GROUPS
220	254
221	255
222	256
223	257
224	258
225	259
226	260
227	261
228	262
229	263
230	264
231	265
232	266
233	267
234	268

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Profit Sharing Sale
SUPPLEMENT SHEET
February 18, 2021 | 1:00 PST

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LOT	SC	COLOR	DD
1	35		Free
2	34		Free
3	35		
4	36	Homozygous Black	
5	36		
6	36		
7	33	Homozygous Black	Free
8	36	Homozygous Black	
9	37	Homozygous Black	Free
10	36		Free
11	37	Homozygous Black	Free
12	39	Homozygous Black	Free
13	39	Heterozygous Black	
14	34		
15	37		
16	37		Free
17	38		Free
18	40		Free
19	36		Free
21	34		Carrier
23	36		Carrier
24	395		Free
25	38		Free
26	37		
27	36		
28	34		
29	38		Free
30	36		
32	39	Homozygous Black	Free
33	38	Heterozygous Black	Carrier
35	37	Heterozygous Black	Carrier
36	42		
38	38		

39	34	Heterozygous Black	
40	37		
41	36	Homozygous Black	Free
42	38		
43	36	Heterozygous Black	Free
44	33	Homozygous Black	
45	37	Heterozygous Black	Carrier
46	37	Heterozygous Black	Carrier
48	35		
49	39	Heterozygous Black	Free
50	39	Heterozygous Black	Free
52	35		
54	40		
55	34		
56	36	Homozygous Black	
57	30	Homozygous Black	Free
58	38		
59	39		
60	34		Free
61	37	Homozygous Black	
62	37	Homozygous Polled	Free
63	36		
64	38	Homozygous Black	Free
65	33		Free
66	34		
67	37	Homozygous Black	Free
69	36		
71	34	Homozygous Black	
72	34		
73	38		Carrier
74	39	Heterozygous Black	Free
76	37		
78	40		
79	38	Homozygous Black/ Homozygous Polled	Free

80	36		Free
81	37	Homozygous Black	
82	39	Heterozygous Black	
83	36	Homozygous Black	Free
84	39	Homozygous Black	Free
85	34		
86	38	Homozygous Black	Free
87	37	Homozygous Black	Free
88	37	Homozygous Black	Free
90	35		
91	32		
92	37		
93	38	Heterozygous Black	Free
94	38	Homozygous Black	Free
95	36		
96	38		
97	34		
98	35	Homozygous Black	Free
99	38		Free
100	35		Free
101	37	Homozygous Black	
102	33		
103	35		
104	34	Homozygous Black	Free
105	34		
106	35		
107	35		
108	34		
109	39		Free
110	41		
111	35		
112	35		
113	35		
114	38	Homozygous Black	Free
115	35		
116	38		
117	37		
118	38		
119	33		
120	37		

121	37	Homozygous Black	Free
122	35		
123	39		Free
124	36	Homozygous Black	
125	37		
126	38		
127	39		
128	34		
129	37		
130	31		
131	31		
201		Heterozygous Black	
202			Carrier
204		Homozygous Black	Free

SUBSTITUTE COWS

LOT	REG NUMBER	API	TI
214	2912177	176.5	85.9
247	3235527	175.9	89.1
249	3370607	176.6	85.8



Profit Sharing Sale
PEN SHEET
February 18, 2021 | 1:00 PST



Lot	Pen	Lot	Pen	Lot	Pen	Lot	Pen
1	8	42	B	86	3	124	5
2	5	43	5	87	7	125	1
3	9	44	4	88	7	126	1
4	5	45	5	90	5	127	1
5	5	46	4	91	4	128	1
6	3	48	3	92	5	129	1
7	4	49	3	93	5	130	1
8	4	50	3	94	4	131	4
9	5	52	5	95	4	201	A
10	8	54	3	96	4	202	10
11	8	55	5	97	4	203	10
12	8	56	9	98	5	204	10
13	3	57	9	99	5	214	11
14	4	58	9	100	5	226	11
15	5	59	9	101	4	227	11
16	5	60	4	102	4	235	11
17	2	61	3	103	7	236	12
18	2	62	5	104	4	237	11
19	2	63	3	105	5	244	11
21	2	64	5	106	4	247	11
23	2	65	4	107	4	249	12
24	3	67	4	108	5	250	12
25	4	69	3	109	5	251	12
26	2	71	5	110	5	253	12
27	4	72	4	111	4	20	Out
28	4	73	C	112	4	22	Out
29	5	74	C	113	5	31	Out
30	4	76	5	114	5	34	Out
32	B	78	5	115	5	37	Out
33	5	79	7	116	5	47	Out
35	3	80	4	117	4	51	Out
36	3	81	5	118	5	53	Out
38	3	82	3	119	4	66	Out
39	3	83	4	120	4	68	Out
40	4	84	7	121	D	70	Out
41	4	85	4	122	D	75	Out
						77	Out
						89	Out

LOT	Tattoo	ASA Number	Sex	CE	CE %	BW	BW %	WW	WW %	YW	YW %	ADG	ADG %	MCE	MCE %	MILK	MILK %	MWW	MWW %	STAY	STAY %	MARB	MARB %	REA	REA %	API	API %	TI	TI %
1	9060G	3766820	B	19.7	2	-5.6	1	60.8	95	102	80	0.26	50	10.9	4	19.6	80	49.9	95	17	25	1.03	1	0.27	99	190	1	95	2
2	9027G	3766806	B	20.7	1	-7.3	1	39.9	99	66.2	99	0.16	99	12.2	1	23.2	45	43.1	99	21.4	2	1.3	1	0.27	99	208.3	1	90.9	10
3	915G	3766559	B	22.2	1	-5.5	1	56.6	99	83.6	99	0.17	99	13	1	23.3	45	51.5	90	18.4	15	1.07	1	0.38	95	193.9	1	92.9	4
4	9125G	3766805	B	18.4	3	-3.2	10	80.1	30	131.8	20	0.32	15	10.3	10	30.3	4	70.3	10	16.8	25	1.17	1	0.74	35	199.5	1	108.6	1
5	9032G	3766821	B	18.1	4	-2.9	10	61.5	95	99.7	85	0.24	65	10.3	10	25.4	25	56	70	18.4	15	1.24	1	0.58	65	197.4	1	97.9	1
6	9013G	3766732	B	21.9	1	-5.6	1	53.8	99	86.9	95	0.21	85	12.6	1	24.7	35	51.6	90	18.3	15	1.03	1	0.27	99	191.8	1	91	10
7	9221G	3766807	B	17.7	5	-2.6	10	61.2	95	95.9	90	0.22	80	10.3	10	25.2	30	55.8	75	16.2	35	1.29	1	0.64	55	193.3	1	97.9	1
8	9078G	3766825	B	20.7	1	-5	2	62.4	90	102.9	75	0.25	60	11.6	2	25.6	25	56.8	65	15	50	1.31	1	0.53	75	202.4	1	103.1	1
9	9219G	3766641	B	16.4	10	-4.3	3	56.2	99	97.2	85	0.26	50	9.2	15	28.4	10	56.5	70	17.1	25	1.14	1	0.59	65	188.1	1	94.1	3
10	9034G	3766685	B	18.9	3	-3.8	4	62.8	90	99.3	85	0.23	70	10.4	10	29.8	5	61.1	45	16.2	35	1.08	1	0.44	85	186.8	1	95.8	2
11	9072G	3766683	B	17.3	10	-4.6	2	60.5	95	94.8	90	0.21	85	10	10	27.9	15	58.1	60	17	25	1.13	1	0.57	65	189.6	1	96.4	2
12	9023G	3766675	B	15.1	20	-1.8	15	78.7	35	128.6	25	0.31	20	8.1	30	26.8	20	66.1	20	20.3	3	1.05	1	0.71	40	193	1	102.7	1
13	9112G	3766627	B	17.2	10	-4.7	2	61.1	95	100.1	80	0.24	65	10.3	10	26.8	20	57.3	65	21.7	2	1.09	1	0.44	85	197	1	95.5	2
14	903G	3766741	B	22	1	-5.9	1	58.2	95	87	95	0.18	95	12.5	1	23.8	40	52.8	85	16.6	30	1.04	1	0.8	25	191.2	1	94.7	3
15	9190G	3766606	B	20.6	1	-5.2	1	55.8	99	86.2	99	0.19	95	11.7	2	27.9	15	55.8	75	16.1	35	1.03	1	0.76	30	186.1	1	92.6	4
16	9132G	3766674	B	13.6	35	-0.8	30	68.9	75	108.5	65	0.25	60	7.3	45	26.9	20	61.3	45	15.4	45	1	1	0.76	30	171.8	2	93.9	3
17	9153G	3766616	B	20.9	1	-4.2	1	69.6	80	100.1	80	0.19	85	12.7	1	33.9	2	68.7	20	24.5	1	0.5	3	0.98	30	186.4	1	91.3	5
18	9148G	3766701	B	21	1	-1.3	10	78	45	111.4	55	0.21	75	12.9	1	33.9	2	72.9	10	23.5	1	0.53	2	1.02	20	184.8	1	93.8	3
19	9143G	3766669	B	16.8	3	-3.4	1	70.8	75	102.7	75	0.2	80	10.3	2	33.9	2	69.3	20	20.9	4	0.6	1	1.06	15	179.2	1	93.5	3
20	9179G	3766643	B	18.3	1	-3	2	73.9	60	110.5	60	0.23	60	10.9	1	33.9	2	70.9	15	20.1	10	0.74	1	0.82	65	187.2	1	97.9	1
21	9152G	3766797	B	19.5	1	-2.9	2	68.3	85	101.5	80	0.21	75	11.7	1	33.9	2	68.1	20	23.2	1	0.69	1	1.08	15	190.5	1	93.9	3
22	9158G	3766583	B	17.2	2	-3.2	2	71.8	70	105.1	70	0.21	75	10.4	2	33.9	2	69.8	15	18.4	25	0.72	1	0.94	35	181.1	1	96.6	2
23	9176G	3766634	B	21.3	1	-4.9	1	61.9	95	86.5	99	0.15	99	13	1	33.9	2	64.9	35	23.9	1	0.84	1	0.72	85	201.7	1	95.5	2
24	9082G	3766682	B	15.6	15	-0.9	25	77.8	40	120	40	0.26	50	8.6	25	29.6	10	68.5	15	17.6	20	0.6	10	0.37	95	158.8	10	88.6	10
25	9085G	3766818	B	17.3	10	-1.4	20	71.4	65	118.4	45	0.29	30	10	10	17.3	90	53	85	17.7	20	0.65	10	0.83	20	165.4	4	87.4	15
26	9105G	3766587	B	19.5	1	-4.5	1	54.8	99	82.8	99	0.18	90	11.4	1	29	15	56.3	80	20.7	5	0.71	1	0.65	95	184.3	1	87.6	10
27	9135G	3766615	B	17.6	5	-2.3	15	59.8	95	87.3	95	0.17	99	10.5	5	23.3	45	53.1	85	24.7	1	0.56	15	0.64	55	169.2	3	79	45
28	9107G	3766751	B	22	1	-5.3	1	44.7	99	57.7	99	0.08	99	12.5	1	25.4	25	47.7	99	25.8	1	0.72	4	0.58	65	184.1	1	77.6	50
29	9138G	3766667	B	17.1	10	-0.7	30	73.3	55	109	65	0.22	80	9.7	10	24.5	35	61.1	45	21.7	2	0.78	3	0.68	45	177.3	2	90.9	10
30	9071G	3766657	B	19.3	1	-6.4	1	51.6	99	77.5	99	0.16	99	10.7	2	32	5	57.8	70	20.8	4	0.81	1	0.27	99	190.1	1	89.5	10
31	9087G	3766612	B	19.9	2	-6.6	1	50	99	68.4	99	0.12	99	11.6	2	23.3	45	48.3	95	19.5	10	0.82	2	0.38	95	178.5	1	83.9	25
32	91G	3766604	B	17.4	10	-2	15	67.3	80	107.1	70	0.25	60	10.5	5	20.7	70	54.3	80	17.9	15	0.77	3	0.47	85	170	2	87.8	15
33	9133G	3766637	B	19.1	2	-4.6	2	66.5	80	94.2	90	0.17	99	10.9	4	32	2	65.2	25	28.5	1	0.9	1	0.57	65	203.1	1	94.6	3
34	9145G	3766664	B	19.9	2	-4.4	2	66.6	80	90.9	95	0.15	99	11.6	2	32	2	65.2	25	23.9	1	0.71	4	0.76	30	183.7	1	89.6	10
35	9089G	3766721	B	19.5	2	-5	2	66.1	80	91.7	95	0.16	99	11.4	3	32	2	65	25	26	1	0.75	3	0.68	45	190.4	1	90.9	10
36	907G	3766545	B	18.2	4	-3.3	5	63.7	90	98.6	85	0.22	80	10.5	5	23.1	45	54.9	75	22.1	1	0.77	3	0.17	99	179.3	1	87	15
37	9031G	3766566	B	22.3	1	-4.4	2	59.5	95	87.4	95	0.17	99	12.7	1	24.7	35	54.4	80	19.8	5	0.96	1	0.32	95	190.1	1	90.9	10
38	9128G	3766588	B	16.1	15	-1.2	25	81.4	25	124.7	30	0.27	40	10.2	10	27.4	15	68	15	21.7	2	0.76	3	0.87	15	179.5	1	96	2
39	911G	3766554	B	19.4	2	-3.3	5	68.2	75	103.2	75	0.22	80	10.3	10	21	65	55	75	21.4	2	0.84	2	0.51	75	185.1	1	91.6	5
40	9171G	3766784	B	20.9	1	-6	1	53.6	99	72.9	99	0.12	99	11.7	2	23.4	45	50.2	95	24.7	1	0.98	1	0.41	90	198.8	1	89.2	10
41	9228G	3766758	B	19	2	-3.2	10	67.9	75	109.5	65	0.26	50	11.8	2	20.8	70	54.7	80	25.4	1	1.17	1	0.24	99	210.3	1	98.8	1
42	9149G	3766725	B	18.5	3	-2.8	10	68.3	75	111.9	60	0.27	40	11	4	24.5	35	58.6	55	23.8	1	0.83	2	0.3	99	188.5	1	91.1	10
43	905G	3766547	B	19.1	2	-5.3	1	57.1	99	88.6	95	0.2	90	11.8	2	26.8	20	55.3	75	23	1	1.07	1	0.49	80	199.4	1	93.2	4
44	9185G	3766819	B	21.4	1	-7.7	1	47.8	99	75.8	99	0.18	95	12.5	1	22.4	55	46.3	99	20.8	3	1.1	1	0.14	99	200.2	1	90.7	10
45	9200G	3766783	B	17.9	4	-2.9	10	64.5	85	97.7	85	0.21	85	10.4	10	20.8	70	53	85	22.4	1	1.07	1	0.26	99	194.7	1	93.6	3
46	9028G	3766746	B	19.6	2	-5	2	63.5	90	98.8	85	0.22	80	11.6	2	25	30	56.7	70	23.8	1	0.96	1	0.28	99	197.9	1	93.9	3
47	9214G	3766824	B	17.4	10	-3.9	3	65.5	85	109.3	65	0.27	40	10.5	5	20.6	70	53.3	85	18.4	15	1.03	1	0.2	99	187.8	1	94.9	2
48	9079G	3766737	B	18.2	4	-4.5	2	61.7	90	87	95	0.16	99	11	4	28.1	10	58.9	55	25.4	1	0.94	1	0.64	55	195.2	1	91.6	5
49	9093G	3766738	B	20	2	-5.2	1	62.6	90	95.1	90	0.2	90	12	2	25.1	30	56.3	70	26.4	1	1.01	1	0.27	99	205.8	1	94.7	3
50	9010G	3766759	B	20.7	1	-5.9	1	71.8	60	112.8	55	0.26	50	11.3	3	23.7	40	59.6	50	22	1	1.2	1	0.22	99	213.3	1	105.4	1
51	9241G	3766761	B	20.1	1	-3.4	5	65.9	85	98	85	0.2	90	11.2	3	22.5	55	55.4	75	25	1	1.12	1	0.22	9				

52	9003G	3766700	B	22.4	1	-8	1	49	99	68.7	99	0.12	99	13.4	1	20.2	75	44.7	99	27.2	1	0.88	2	0.74	35	202.7	1	86.7	15
53	9094G	3766650	B	24.3	1	-7.4	1	52.6	99	77	99	0.15	99	14.3	1	25.8	25	52	90	22.5	1	0.71	4	0.37	95	186.6	1	84	25
54	9106G	3766625	B	14.6	25	-0.9	25	78.8	35	125	30	0.29	30	7	50	26.5	20	65.9	20	17.9	15	1.02	1	0.2	99	181.5	1	98.9	1
55	9147G	3766705	B	23.1	1	-9.1	1	49.3	99	69.2	99	0.12	99	13	1	26.8	20	51.4	90	24.5	1	1.23	1	0.17	99	218.3	1	96.6	2
56	9109G	3766702	B	22.7	1	-7.1	1	46.9	99	62.2	99	0.1	99	12.6	1	25	30	48.4	95	21.2	2	1.18	1	0.14	99	203.7	1	91.2	10
57	9194G	3766740	B	19	2	-4.4	2	79.5	30	127.1	25	0.3	25	9.5	15	24.9	30	64.6	25	20.2	4	1.06	1	0.85	20	201.6	1	105.7	1
58	9047G	3766651	B	16.3	10	-5	2	64.2	85	101	80	0.23	70	7.3	45	25.4	25	57.5	65	25.4	1	1.04	1	0.31	95	201.8	1	96.1	2
59	9099G	3766755	B	18.5	3	-6.5	1	56.7	99	86	99	0.18	95	9.4	15	24.3	35	52.6	85	25	1	1.13	1	0.18	99	207.6	1	95.4	2
60	9265G	3766775	B	20.9	1	-6.4	1	57	99	90.2	95	0.21	85	11.9	2	24.7	35	53.2	85	18.8	10	1.03	1	0.32	95	193.6	1	93.6	3
61	9075G	3766703	B	18.4	3	-5.1	2	55.2	99	90	95	0.22	80	8.4	25	23.2	45	50.7	95	23.2	1	1.07	1	0.39	90	198.6	1	91.6	5
62	910G	3766620	B	18	4	-2.8	10	73.2	55	114.6	50	0.26	50	9.3	15	24.2	35	60.8	45	25	1	1.08	1	0.34	95	205	1	100	1
63	9097G	3766579	B	11.8	60	-1.8	15	61.5	95	96.4	90	0.22	80	6.2	65	20.1	75	50.8	90	24.4	1	1.01	1	0.56	70	186.3	1	89.4	10
64	9170G	3766706	B	17.9	4	-2.8	10	69.5	70	115.4	50	0.29	30	9.5	15	22.3	55	57	65	18.1	15	0.75	3	0.54	75	172.7	2	89.7	10
65	9254G	3766656	B	21.8	1	-4.5	2	57.2	99	86.7	99	0.18	95	11.4	3	19.1	80	47.7	99	22.3	1	1.13	1	0.26	99	202.8	1	92.8	4
66	9206G	3766711	B	22.9	1	-7.4	1	52.5	99	86.4	99	0.21	85	12	2	20.6	70	46.8	99	19.5	10	1.04	1	0.19	99	198.1	1	91.7	5
67	9201G	3766720	B	18	4	-3.9	3	58.4	95	92	95	0.21	85	9.3	15	21.6	60	50.8	90	23.6	1	0.89	1	0.18	99	187.4	1	87	15
68	9184G	3766734	B	20.5	1	-4.5	2	69.5	70	108.5	65	0.24	65	9.7	10	22.5	55	57.2	65	22.3	1	0.91	1	0.17	99	194.4	1	95.1	2
69	9227G	3766569	B	22	1	-5.6	1	57.2	99	83.4	99	0.16	99	11.2	3	26.7	20	55.3	75	23.5	1	0.87	2	0.68	45	193.6	1	89.1	10
70	9205G	3766597	B	17.4	10	-3.2	10	73.2	55	107	70	0.21	85	9	20	22.2	55	58.8	55	20.5	3	0.97	1	0.46	85	187.8	1	96.5	2
71	9255G	3766750	B	17	10	-2.7	10	66.6	80	104.1	75	0.23	70	7.3	45	21.7	60	55	75	20.5	3	0.8	2	0.39	90	176.5	2	88.5	10
72	9259G	3766715	B	17.3	10	-3.9	3	53.4	99	75.1	99	0.14	99	8.8	20	19.2	80	45.9	99	21.2	2	0.89	1	0.38	95	178.1	1	83.4	25
73	9182G	3766728	B	17.5	5	-5	2	73.2	55	109	65	0.22	80	11.2	3	31.9	2	68.4	15	22.8	1	1.01	1	0.77	30	199.6	1	101.8	1
74	9250G	3766718	B	18.5	3	-3.3	5	71.8	60	112.7	55	0.26	50	11.5	2	31.2	3	67.1	15	23.9	1	0.9	1	0.67	50	195.1	1	96.9	2
75	9268G	3766727	B	15.8	15	-3	10	64.5	85	96.2	90	0.2	90	10.3	10	29.2	10	61.4	40	23.9	1	0.92	1	0.47	85	187.7	1	91.4	5
76	9157G	3766697	B	15.3	20	-0.8	30	89.1	10	137.5	10	0.3	25	9.5	15	25.3	30	69.8	10	19.8	5	0.91	1	0.91	15	184.9	1	103.3	1
77	9258G	3766617	B	19.8	2	-4.6	2	60.3	95	85.4	99	0.16	99	11.3	3	19.9	75	50	95	17.8	15	1.1	1	0.54	75	190.9	1	94.5	3
78	9261G	3766678	B	17.8	5	-2.7	10	68.5	75	102	80	0.21	85	9.4	15	32.8	2	67	20	19	10	0.97	1	0.65	50	184.3	1	95.3	2
79	9045G	3766652	B	21.5	1	-6.5	1	56.3	99	97.1	85	0.26	50	12.2	1	22.9	50	51	90	18.7	10	1.13	1	0.32	95	201	1	95.9	2
80	9120G	3766724	B	24.6	1	-6.3	1	58.8	95	95.6	90	0.23	70	15.3	1	23.4	45	52.7	85	20.4	3	1.13	1	0.15	99	207.5	1	96.8	2
81	9081G	3766575	B	24.4	1	-6.5	1	45.5	99	73	99	0.17	99	14.8	1	27.3	15	50.1	95	22.1	1	1.1	1	0.18	99	203.7	1	88.6	10
82	9026G	3766769	B	21.1	1	-6.2	1	60.8	95	105.2	75	0.28	35	12.9	1	22.7	50	53	85	21.4	2	1.09	1	0.25	99	204.8	1	97	2
83	9146G	3766689	B	22.5	1	-6.8	1	46	99	75.3	99	0.18	95	14.3	1	22	60	45	99	21.3	2	1.13	1	0.1	99	202.4	1	89.4	10
84	9114G	3766690	B	20.8	1	-6.1	1	63.9	90	96.5	90	0.2	90	12.7	1	27.4	15	59.3	55	21.1	2	1.33	1	0.32	95	216	1	104.7	1
85	9262G	3766708	B	20.1	1	-6.1	1	47.9	99	76.1	99	0.18	95	12.4	1	20.8	70	44.7	99	19.3	10	1.18	1	-0.03	99	197.2	1	90.6	10
86	9051G	3766677	B	18.7	3	-4.2	3	64.5	85	102.6	80	0.24	65	11	4	24	40	56.1	70	20.7	3	1.15	1	0.39	90	200	1	97.9	1
87	9095G	3766688	B	16.6	10	-2	15	63.2	90	105.2	75	0.26	50	10.2	10	20.4	70	51.9	90	21.5	2	1.14	1	0.22	99	194.3	1	93.6	3
88	9035G	3766662	B	18.4	3	-4.3	3	58	95	95.3	90	0.23	70	11.4	3	24.4	35	53.4	85	18.2	15	1.12	1	0.43	90	191.3	1	93.8	3
89	901G	3766549	B	20.7	1	-5.5	1	55.8	99	85.2	99	0.18	95	12.3	1	25.8	25	53.7	80	23.5	1	1.07	1	0.17	99	201.5	1	91.9	5
90	9041G	3766614	B	20.6	1	-6	1	53.5	99	85.2	99	0.2	90	12.7	1	22.5	55	49.2	95	17.9	15	0.92	1	0.03	99	182.9	1	87.4	15
91	9110G	3766598	B	20.1	1	-4.4	2	60.2	95	94.7	90	0.22	80	13.3	1	24.2	35	54.3	80	22.4	1	1.02	1	0.37	95	196.3	1	92.3	4
92	9048G	3766609	B	20.4	1	-7.2	1	45.6	99	66	99	0.13	99	12.3	1	24.3	35	47	99	21.1	2	1.18	1	0	99	200.3	1	90	10
93	9230G	3766686	B	14.6	25	-1	25	71.8	60	117.2	45	0.28	35	9	20	24.5	35	60.4	45	24.1	1	1.05	1	0.49	80	194.6	1	96.5	2
94	902G	3766550	B	15.9	15	-4.1	3	57.8	99	99.8	85	0.26	50	9.7	10	25.5	25	54.3	80	15.4	45	1.17	1	0.36	95	186	1	95	2
95	9129G	3766589	B	17.8	5	-3.5	5	55.8	99	95.3	90	0.25	60	11.5	2	20.7	70	48.6	95	19.6	5	1.2	1	0.09	99	195.3	1	92.9	4
96	9042G	3766714	B	23.6	1	-8.2	1	50.7	99	78.8	99	0.18	95	15.6	1	26.5	20	51.8	90	20.7	3	0.97	1	0.06	99	196.1	1	89.3	10
97	9245G	3766712	B	19	2	-5.3	1	51.9	99	84.3	99	0.2	90	13.4	1	21.7	60	47.6	99	21.7	2	1.08	1	0.2	99	194.7	1	89	10
98	9057G	3766800	B	19.6	2	-3.5	5	69.5	70	111.9	60	0.26	50	12.3	1	25.8	25	60.6	45	18.2	15	1.09	1	0.65	50	194.7	1	99.5	1
99	9174G	3766757	B	20.7	1	-5.5	1	70.7	65	117.2	45	0.29	30	11.2	3	23.5	45	58.7	55	20	4	1	1	0.33	95	198.7	1	99.9	1
100	9037G	3766762	B	20.3	1	-5.6	1	62.4	90	105.2	75	0.27	40	11.5	2	19.8	75	50.9	90	13.9	60	1.05	1	0.01	99	184.8	1	95.2	2
101	9131G	3766766	B	25.4	1	-7.4	1	51	99	87.3	95	0.23	70	14	1	24.7	35	50.1	95	21.6	2	1.08	1	0.31	95	207.9	1	92.7	4
102	9192G	3766817	B	18.9	3	-5	2	52.4	99	84.8	99	0.2	90	11.3	3	22.2	55	48.4	95	17.4	20	1.09	1	0.3	99	187.2	1	90.1	10
103	9119G	3802603	B	24.5	1	-9.5	1	49.4	99	79.9	99	0.19	95	13.9	1	22.2	55	46.8	99	19.7	5	1.03	1						

104	9181G	3766771	B	23.2	1	-7.1	1	54.6	99	88.9	95	0.21	85	13.6	1	26.3	20	53.6	85	21.3	2	1.15	1	0.19	99	208.5	1	96	2
105	908G	3766584	B	18.3	4	-3.6	4	55.9	99	88.4	95	0.2	90	11.8	2	25.6	25	53.5	85	14.2	55	0.88	2	0.3	99	167.3	3	85.6	20
106	9167G	3766765	B	19	2	-5.8	1	58.7	95	92.8	90	0.21	85	10.2	10	20.2	75	49.5	95	18.2	15	1.27	1	0.54	75	201.9	1	98.6	1
107	9204G	3766593	B	22.3	1	-6.6	1	50.8	99	70.3	99	0.12	99	12.5	1	21.4	65	46.7	99	21	2	1.02	1	0.01	99	194.4	1	88.2	10
108	9193G	3766572	B	17.7	5	-3.3	5	67.5	80	104.3	75	0.23	70	9.8	10	25.6	25	59.2	55	13.9	60	0.88	2	0.39	90	168.8	3	91.4	5
109	9150G	3766695	B	17.7	5	-0.6	30	81.1	25	121.1	40	0.25	60	9.4	15	28.7	10	69.3	10	25.8	1	0.53	15	1.01	5	175	2	89.2	10
110	9172G	3766792	B	15.2	20	-0.3	35	74.6	50	110.2	60	0.22	80	7.7	35	25	30	62.3	35	20.1	4	0.62	10	0.92	10	162.2	5	86.5	15
111	9155G	3766811	B	20.6	1	-5.3	1	67.8	75	108.1	65	0.25	60	9.8	10	21.5	60	55.3	75	16.8	25	0.7	4	1.15	2	175.1	2	91.4	5
112	9215G	3766827	B	19.5	2	-3.5	5	68.3	75	106.7	70	0.24	65	10.8	4	28.6	10	62.6	35	18.8	10	0.67	5	1.17	2	172.9	2	89.6	10
113	9237G	3766790	B	18.4	3	-2.5	10	62.2	90	96	90	0.21	85	10.6	5	24.6	35	55.6	75	26.2	1	0.76	3	0.76	30	186	1	85.7	20
114	9162G	3766809	B	19.4	2	0.6	55	82.2	25	124.9	30	0.27	40	10.7	5	20.6	70	61.6	40	22.8	1	0.57	10	1.2	1	172.9	2	89.5	10
115	9247G	3766629	B	14	30	-3.2	10	63.1	90	93.9	90	0.19	95	8.8	20	29.6	10	61.1	45	19.8	5	0.63	10	0.65	50	160.1	10	82.7	30
116	9213G	3766618	B	14.9	20	-3.5	5	57.1	99	86.5	99	0.18	95	9.2	15	24.8	30	53.3	85	19.3	10	0.68	5	0.49	80	161.8	5	80.6	35
117	9175G	3766600	B	16.5	10	-4.8	2	59.8	95	91	95	0.19	95	9.3	15	27.6	15	57.4	65	21.2	2	0.84	2	0.52	75	179.1	1	87.6	15
118	9210G	3766638	B	16.8	10	-4.7	2	59.8	95	90.1	95	0.19	95	10.2	10	27.4	15	57.3	65	25.9	1	0.74	3	0.58	65	183.3	1	85.3	20
119	9236G	3766747	B	18.2	4	-2	15	62.2	90	97	85	0.22	80	11.6	2	24.8	30	55.9	70	17.1	25	0.83	2	0.89	15	170.2	2	86.5	15
120	9126G	3766555	B	20.4	1	-5.4	1	47.5	99	72.7	99	0.16	99	10.7	5	24.9	30	48.6	95	20.3	3	0.59	10	0.69	45	166.1	3	75.9	55
121	922G	3766560	B	22	1	-4.1	3	60.9	95	89.6	95	0.18	95	12.4	1	24.5	35	54.9	75	17.6	20	0.87	2	0.63	55	180.4	1	89.2	10
122	921G	3766544	B	15	20	-2	15	53	99	75.9	99	0.14	99	8	30	21.7	60	48.2	99	15.5	40	0.55	15	0.51	75	142.7	25	73.1	70
123	914G	3766570	B	14.1	30	0.9	60	73.7	55	107.1	70	0.21	85	7.8	35	20.6	70	57.4	65	12.8	70	0.85	2	0.51	75	154.8	10	88.7	10
124	9007G	3766710	B	15.1	20	-2.7	10	75.4	50	119.5	40	0.28	35	9.2	15	24.1	40	61.7	40	18.4	15	0.72	4	1.34	1	170.9	2	93.4	3
125	9111G	3766679	B	13.4	35	3.6	99	70.6	65	94.1	90	0.15	99	4.3	90	-2.9	99	32.3	99	13.2	70	-0.03	99	1.73	1	118.2	70	73.4	70
126	9130G	3766602	B	12.8	45	5	99	81.1	25	112.3	55	0.19	95	4.2	90	-2.9	99	37.6	99	9.1	95	-0.05	99	1.52	1	109.8	85	77.2	50
127	9140G	3766649	B	12.1	55	4.1	99	82.8	20	115.8	50	0.21	85	4	95	-1.5	99	39.9	99	5.9	99	-0.04	99	1.41	1	105.2	90	79.3	40
128	9074G	3766773	B	13.3	40	5.6	99	90.5	10	126.6	25	0.23	70	6.1	65	7.4	99	52.6	85	8.2	99	-0.05	99	1.4	1	111	85	83	25
129	9046G	3766779	B	13.9	30	4.8	99	88.2	10	138	10	0.31	20	7.1	45	3.5	99	47.6	99	7	99	0.06	95	1.21	1	118.6	70	85.7	20
130	9064G	3766770	B	14.2	30	3.8	99	92.4	5	125.5	30	0.21	85	6.4	60	8.3	99	54.5	80	10	90	-0.09	99	1.17	2	117	75	85.3	20
131	9269G	3766791	B	11.2	65	1.3	70	62.7	90	83.4	99	0.13	99	6.2	65	9	99	40.3	99	15.2	45	0.49	20	1.03	4	147.2	20	83.7	25
201	911Z	2809071	C	21.5	1	-3.3	5	69.4	70	105	75	0.22	80	10.7	5	21.6	60	56.2	70	15.4	45	0.76	3	0.2	99	170.8	2	89.6	10
202	9226G	3766717	C	19.6	2	-3.3	5	68.8	75	100	85	0.2	90	11.5	2	32	2	66.3	20	26.9	1	0.76	3	0.58	65	191.8	1	91.1	10
203	9188G	3766723	C	20	2	-5.6	1	61.6	95	94	90	0.2	90	13.5	1	24.7	35	55.5	75	24.3	1	1.03	1	0.16	99	201.7	1	94	3
204	9020G	3766831	C	19.4	1	-5	1	48.2	99	74.8	99	0.17	95	11.3	1	25.7	30	49.7	99	21.2	3	0.84	1	0.78	75	190.7	1	87.1	15
205	9240G	3766546	C	14.4	25	-2.2	15	72.5	60	107.4	70	0.22	80	8.1	30	24.5	35	60.7	45	21.4	2	0.61	10	0.55	70	165.8	3	87.2	15
206	9223G	3766626	C	19.4	2	-4.6	2	54.7	99	85.9	99	0.2	90	10.1	10	25.2	30	52.5	85	16.5	30	0.69	5	0.61	60	164.5	4	81.7	30
207	9195G	3766611	C	19	2	-4	3	68.3	75	102.1	80	0.21	85	11.9	2	27.1	15	61.2	45	20.4	3	0.91	1	0.7	45	187.2	1	94.3	3
208	9065G	3766756	C	16	15	-3.9	3	75.6	45	116.8	45	0.26	50	8.3	25	33.5	1	71.2	10	17.9	15	0.71	4	0.45	85	166.5	3	92.5	4
209	9017G	3766731	C	20.6	1	-6.3	1	60.5	95	91.6	95	0.19	95	12.1	2	25.3	30	55.5	75	17.4	20	0.62	10	1.08	3	169.3	3	85.9	20
210	8210F	3519159	C	15	20	-1.9	15	70.7	65	109.2	65	0.24	65	9.1	15	28	15	63.3	30	20.4	3	0.82	2	0.48	80	174.4	2	90.6	10
211	8180F	3519133	C	19	2	-4	3	64.6	85	99	85	0.21	85	11.5	2	25.8	25	58	60	23.6	1	0.61	10	0.82	25	176	2	84.7	20
212	8153F	3519104	C	10	80	-0.1	40	77.3	40	121.8	35	0.28	35	5.7	70	26.5	20	65.1	25	18.3	15	0.68	5	1.11	2	156.2	10	88.5	10
213	8146F	3519098	C	16.7	10	-1.7	15	70.5	65	115.1	50	0.28	35	9.5	15	24	40	59.2	55	22	1	0.56	15	0.78	30	166.3	3	84.1	25
214	8002F	3518977	C	13.8	30	-1.5	20	63.6	90	99.2	85	0.22	80	8.5	25	21.6	60	53.3	85	18.4	15	0.77	3	0.74	35	162.6	4	83.7	25
215	8157F	3519108	C	17.6	5	-1.1	25	74.5	50	116.4	50	0.26	50	12	2	26.5	20	63.7	30	17.9	15	0.9	1	0.32	95	176.7	2	93.5	3
216	8005F	3519035	C	19.4	2	-5.9	1	49.4	99	77.4	99	0.18	95	12.9	1	24.7	35	49.4	95	20.2	4	1.13	1	0.15	99	194.9	1	89.9	10
217	8125F	3519078	C	20.9	1	-5.5	1	63.8	90	104.8	75	0.26	50	12.8	1	23.4	45	55.2	75	16.9	25	1.12	1	0.26	99	196.4	1	98.7	1
218	8096F	3519053	C	11.4	65	0.5	55	79.1	35	118.2	45	0.24	65	7	50	29	10	68.5	15	20	4	0.53	15	0.84	20	151.3	15	84.9	20
219	8175F	3519128	C	11.9	55	-1.4	20	84.8	15	134.6	15	0.31	20	7	50	25	30	67.4	15	15.8	40	0.95	1	0.59	65	174.4	2	101.8	1
220	8190F	3519141	C	21.5	1	-5.7	1	45.8	99	69.7	99	0.15	99	12.1	2	25	30	47.8	99	19.1	10	0.77	3	0.38	95	174.3	2	79.3	40
221	8159F	3519110	C	19.3	2	-5.5	1	57.3	99	96.7	90	0.25	60	9.1	15	20.6	70	49.2	95	18.9	10	0.64	10	0.06	99	168.8	3	81.7	30
222	8140F	3519096	C	12.3	50	0.6	55	74.9	50	110.3	60	0.22	80	5.7	70	21.1	65	58.5	60	18.1	15	0.81	2	0.45	85	162.6	4	88.9	10
223	8003F	3518971	C	15.4	15	-1.5	20	65.3	85	105.7	70	0.25	60	7.2	45	20.8	70	53.4	85	15.1	45	0.75	3	0.44	85	158.3	10	84.7	20
224	8114F	351907																											

225	8034F	3518998	C	19.2	2	-5.5	1	64.2	85	99.7	85	0.22	80	12.8	1	25	30	57.1	65	15.6	40	0.77	3	0.53	75	171.9	2	90.1	10
226	7201E	3370699	C	17.3	10	-4.6	2	55.3	99	89.2	95	0.21	85	9.8	10	8.7	99	36.3	99	19.5	10	0.67	5	0.81	25	167.5	3	80.2	40
227	7128E	3370629	C	17.8	5	-2.3	15	65.6	85	104.1	75	0.24	65	9.2	15	22.5	55	55.2	75	16.2	35	0.81	2	0.24	99	167.8	3	87.4	15
228	7103E	3370606	C	12.5	50	1.6	75	86.9	15	134.2	15	0.3	25	6.7	55	27.8	15	71.2	10	18.8	10	0.76	3	0.78	30	165.6	4	95.1	2
229	7058E	3370574	C	17.7	5	-3.3	5	54.6	99	87.9	95	0.21	85	10.8	4	30.1	5	57.3	65	21.2	2	0.7	4	0.72	40	170.1	2	80.7	35
230	7183E	3370681	C	15.2	20	-0.2	40	78.3	35	122.6	35	0.28	35	9.2	15	25.2	30	64.3	30	15.7	40	0.78	3	0.49	80	163.6	4	92.1	5
231	6267D	3235534	C	19.9	2	-4.8	2	56	99	88.7	95	0.2	90	11.7	2	34.4	1	62.4	35	19.9	4	0.61	10	0.08	99	167.7	3	81	35
232	6158D	3235446	C	18.5	3	-5.4	1	48.1	99	74.1	99	0.16	99	10.2	10	22.5	55	46.5	99	16.2	35	0.89	1	0.15	99	170.9	2	82.2	30
233	6258D	3235524	C	14.3	25	-3.7	4	39.6	99	65.6	99	0.16	99	6.2	65	15.9	95	35.7	99	16.7	30	0.92	1	0.33	95	163.4	4	75.6	60
234	6239D	3235506	C	16.3	10	-3.3	5	47.6	99	69.4	99	0.14	99	7.7	35	18.6	85	42.3	99	16.7	30	0.86	2	0.48	80	164	4	78.8	45
235	6190D	3235454	C	21	1	-4.2	3	48.1	99	74.8	99	0.17	99	11.6	2	23.8	40	47.8	99	22.1	1	0.62	10	0.56	70	170	2	75.2	60
236	5179C	3043234	C	16.1	15	-0.6	30	87	15	139.4	10	0.33	10	9.5	15	18.4	85	61.9	40	20	4	0.6	10	1.29	1	170.2	2	94.6	3
237	6124D	3235400	C	15.1	20	0	40	69	70	118.2	45	0.31	20	10	10	27	15	61.4	40	17.1	25	0.88	2	0.44	85	169	3	89.3	10
238	6039D	3235319	C	19.6	2	-5.6	1	55	99	86.7	99	0.2	90	10.9	4	20.9	65	48.4	95	15.6	40	0.8	2	0.53	75	170.5	2	85.1	20
239	6031D	3235313	C	17.7	5	-1.6	20	78.6	35	131.2	20	0.33	10	10.8	4	26.9	20	66.2	20	15.6	40	0.74	3	0.68	45	168.6	3	93.9	3
240	5098C	3043157	C	15.9	15	-2.2	15	69.4	70	113.8	55	0.28	35	8.5	25	30.3	4	65	25	20.1	4	0.37	35	0.49	80	153.1	10	80.9	35
241	5132C	3043189	C	18.8	3	-3.4	5	58.4	95	89.5	95	0.19	95	13.7	1	36.6	1	65.8	20	21.2	2	0.58	10	0.02	99	164.8	4	79.9	40
242	5147C	3043203	C	17.6	5	-2.9	10	53.6	99	82.7	99	0.18	95	11.2	3	17	95	43.7	99	14.1	60	0.8	2	0.55	70	159.2	10	80.4	35
243	5050C	3043113	C	22.5	1	-4.1	3	65	85	96.8	90	0.2	90	12.9	1	20	75	52.4	85	19.7	5	0.52	15	0.04	99	162.1	5	79.5	40
244	5016C	3043083	C	20.3	1	-4.3	3	53.3	99	78.2	99	0.16	99	11.7	2	29.5	10	56.2	70	19.4	10	0.57	10	0.37	95	161.9	5	77	50
245	4159B	2912265	C	16.6	10	-2.1	15	66.8	80	101.3	80	0.22	80	8.3	25	18.4	85	51.8	90	15	50	0.69	5	0.42	90	157.5	10	84.6	20
246	4132B	2912239	C	16.3	10	-3.2	10	60.2	95	94.9	90	0.22	80	9.2	15	20.9	65	51	90	22.9	1	0.7	4	0.52	75	173.3	2	82.8	30
247	5067C	3043129	C	17.6	5	-3.4	5	57.2	99	94.8	90	0.24	65	7.3	45	30.4	4	58.9	55	17.4	20	0.71	4	0.47	85	165.1	4	83.1	25
248	5024C	3043090	C	22.1	1	-6.3	1	48.7	99	81.9	99	0.21	85	11.6	2	16.7	95	40.9	99	20	4	0.59	10	0.43	90	171	2	77.2	50
249	4006B	2912120	C	15.3	20	-2.3	15	59.4	95	93.6	90	0.21	85	10	10	14.3	99	44	99	20.2	4	0.8	2	0.38	95	169.7	3	82.4	30
250	4055B	2912168	C	15.8	15	0	40	65.6	85	99.7	85	0.21	85	8.6	25	21	65	53.8	80	15.1	45	0.96	1	0.5	80	166.8	3	88.1	10
251	3209A	2839930	C	16.2	10	-1.4	20	49.2	99	69.2	99	0.12	99	8.6	25	13.7	99	38.2	99	14.2	55	1.12	1	0.25	99	165.1	4	81.1	35
252	3199A	2839866	C	16.8	10	-3	10	52.2	99	75.2	99	0.14	99	7.8	35	26.6	20	52.7	85	12.5	75	0.87	2	0.36	95	157.1	10	81.6	35
253	3032A	2839901	C	10.5	75	1	65	72.7	60	113.4	55	0.25	60	7.4	40	22	60	58.3	60	24.9	1	0.77	3	0.55	70	171.4	2	86.6	15
254	9257G	3766646	C	15.4	15	-4.6	2	56.7	99	87.4	95	0.19	95	9.7	10	24.7	35	53	85	18.3	15	0.8	2	0.73	35	168.9	3	84.6	20
255	9222G	3766774	C	18.4	3	-3.1	10	68.9	75	103.5	75	0.22	80	10.1	10	26.2	20	60.5	45	20.9	2	0.66	10	0.98	10	172.8	2	87.7	15
256	9218G	3766631	C	16.7	10	-1.8	15	74.3	50	120.7	40	0.29	30	9.9	10	24.4	35	61.5	40	21.9	1	0.91	1	0.85	20	187.2	1	95.2	2
257	9118G	3766594	C	14.4	25	-2.3	15	77.2	40	116.8	45	0.25	60	5.8	70	34.6	1	73.2	4	16.1	35	0.39	35	0.62	60	145.2	20	85.4	20
258	9039G	3766768	C	17.4	10	-2.1	15	62.5	90	96.5	90	0.21	85	9.6	15	29.2	10	60.4	45	17.9	15	0.68	5	0.72	40	163.4	4	83.9	25
259	8277F	3519241	C	15.3	20	-2.8	10	65.8	85	98.4	85	0.2	90	9.8	10	23.2	45	56.1	70	18.4	15	0.83	2	0.27	99	166.5	3	86.8	15
260	8219F	3519172	C	15.8	15	-2.2	15	62.9	90	94.4	90	0.2	90	10	10	32.9	2	64.4	25	17.1	25	0.77	3	0.64	55	163.9	4	86.1	15
261	8207F	3519156	C	14.5	25	-2.2	15	67.3	80	96.8	90	0.18	95	9.9	10	24.6	35	58.2	60	17.6	20	0.87	2	0.82	25	169.5	3	90	10
262	8202F	3519151	C	16.8	10	-4.4	2	53.9	99	72.5	99	0.12	99	11	4	31.7	3	58.6	55	19	10	0.85	2	0.38	95	170.8	2	83.8	25
263	8167F	3519118	C	16	15	-4.7	2	58.5	95	88	95	0.18	95	10.4	10	25.7	25	54.9	75	16.1	35	0.82	2	0.74	35	167.5	3	87	15
264	8141F	3519092	C	19.1	2	-3.3	5	70.9	65	105.1	75	0.21	85	12.6	1	34.2	1	69.7	10	19.7	5	0.71	4	0.56	70	174.3	2	90.8	10
265	7162E	3370661	C	18.7	3	-1.8	15	61.4	95	90.1	95	0.18	95	11	4	18.9	85	49.6	95	19.5	10	0.9	1	0.47	85	177.4	2	86.3	15
266	7066E	3370582	C	18.1	4	-6.5	1	44	99	59.6	99	0.1	99	12.3	1	31.7	3	53.6	85	19.8	5	0.86	2	0.31	95	174.9	2	81	35
267	6209D	3235476	C	17.4	10	-3.2	10	65.5	85	95.5	90	0.19	95	11.6	2	34.2	1	66.9	20	20.2	4	0.82	2	0.63	55	173.4	2	88.8	10
268	5201C	3043256	C	19.7	2	-6.7	1	50.8	99	75.9	99	0.16	99	11	4	33.3	2	58.7	55	19.1	10	0.72	4	-0.23	99	167.5	3	80.3	40