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Kudde Gesondheids Verslag / Herd Health Report

VOORBERG GEVANGENIS

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Test-day: 2025-03-31

Holstein Cows

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HERD HEALTH SUMMARY REPORT

VOORBERG GEVANGENIS - Holstein Cows

Table 1: Summary for Test-day 2025-03-31 (Number of Samples Tested: 46)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 23.0 Median: 22.0		
Butterfat (%)	Avg.: 3.53 Median: 3.39	3.5 % - 6.0 %	Too Low: 59 % Too High: 2 %
Protein (%)	Avg.: 3.41 Median: 3.41	3.0 % - 4.5 %	Too Low: 22 % Too High: 2 %
Lactose (%)	Avg.: 4.50 Median: 4.54	> 4.7 %	Too Low: 80 %
MUN (mg/dl)	Avg.: 11.61 Median: 11.80	8 - 16 mg/dl	Too Low: 9 % Too High: 9 %
SCC (x1000/ml)	Avg.: 255 Median: 92 % < 100 : 60.9 % % < 200 : 84.8 % % < 500 : 91.3 % % > 750 : 6.5 % % > 1 000 : 4.3 % % > 1 500 : 4.3 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 3.1 % Too High: 0 % Too High: 0.7 % Too High: 1.7 % Too High: 3.3 % Too High: 4.3 %
Butterfat Protein ratio	Average: 1.0	> 1.0	Too High: 45.7 %

Table 2: Quantification of Specific Cases (% of herd) and Loss in Production on 2025-03-31

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	56.4 (5.3 %)	1st Lact Cows:	296/499 (4)
DIM (kg per day):	345.6 (32.7 %)	2nd Lact Cows:	114/63 (8)
No. of Cows Under Pressure:	4 (8.7 %)	3rd Lact Cows:	117/107 (17)
No. Cows with SCC > 200k:	7 (15.2 %)	4th Lact Cows:	690/41 (7)
No. Cows with SCC > 750k:	3 (6.5 %)	5th Lact Cows:	406/84 (6)
No. New Infections:	3 (6.5 %)	6+ Lact Cows:	95/80 (4)
No. Recurring Infections:	2 (4.3 %)	Avg. SCC for SCC > 750k (n):	2435 (3)
Cure Rate for SCC > 200k:	60.0 % (3)	Avg. Days In Milk (DIM) for Herd:	266
Cure Rate for SCC > 750k:	66.7 % (2)	Median of DIM for Herd:	238
No. Chronic Infections (SCC > 200k):	2 (4.3 %)	Avg. DIM for SCC < 200k (n):	230 (39)
No. Chronic Infections (SCC > 750k):	1 (2.2 %)	Avg. DIM for SCC > 200k and < 750k (n):	489 (4)
No. of Possible Ketosis Cases:	0	Avg. DIM for SCC > 750k (n):	248 (3)
No. of Possible Acidosis Cases:	21	Avg. Parity for Herd:	3
Avg. Age at First Calf (Months):	28	Avg. Parity for SCC < 200k:	3
Avg. Inter-Calf Period (Days):	520	Avg. Parity for SCC > 200k and < 750k:	3
No. Flushings:	NA	Avg. Parity for SCC > 750k:	3
No. Embrios:	NA		

Table 3: Benchmark: Herd with the Top 25%, Average and Bottom 25% for different traits tested the last month of for Holstein Cows

	Milk Production (kg)	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)
Herd	23.0	3.53	3.41	4.50	255	11.61
Top 25%	29.2	4.99	3.78	4.89	43	22.76
Breed Avg	23.0	4.54	3.55	4.72	300	18.84
Bottom 25%	16.0	4.07	3.27	4.60	236	15.23

*** PLEASE CONSULT YOUR VETERINARIAN, PROFESSIONAL ANIMAL SCIENTIST or LogixMilk TECHNICAL ADVISOR for the interpretation of these results and professional advisory services.**

Table 4: Summary of Somatic Cell Counts per Lactation Group in the herd for 46 Holstein Cows

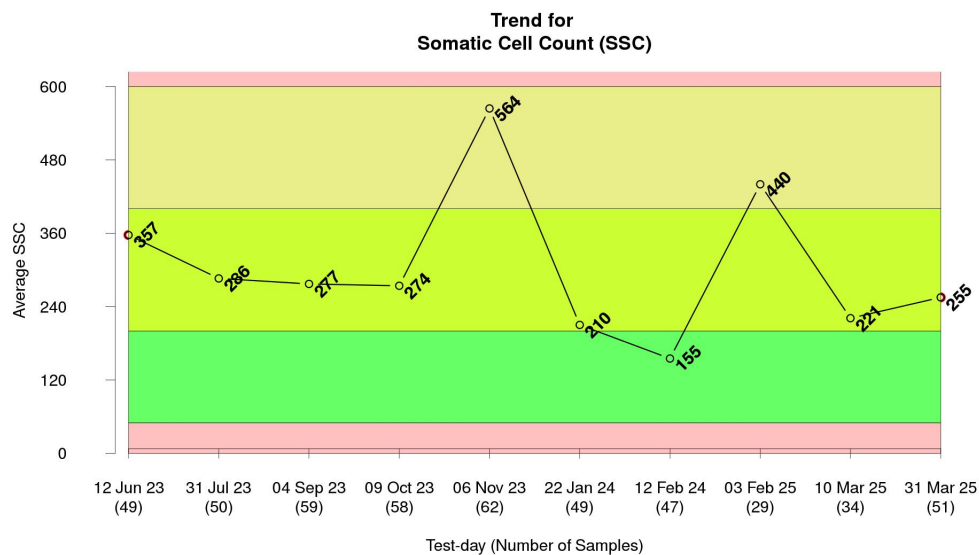
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	8.7% (4)	0.0% (0)	0.0% (0)	8.7% (4)	2.2% (1)	2.2% (1)
2	17.4% (8)	4.3% (2)	2.2% (1)	10.9% (5)	2.2% (1)	0.0% (0)
3	37.0% (17)	8.7% (4)	2.2% (1)	26.1% (12)	4.3% (2)	0.0% (0)
4	15.2% (7)	8.7% (4)	4.3% (2)	2.2% (1)	4.3% (2)	2.2% (1)
5	13.0% (6)	6.5% (3)	2.2% (1)	4.3% (2)	2.2% (1)	2.2% (1)
6+	8.7% (4)	4.3% (2)	2.2% (1)	2.2% (1)	0.0% (0)	0.0% (0)
Herd	100% (46)	32.5% (15)	13.1% (6)	54.4% (25)	15.2% (7)	6.6% (3)

Table 5: Somatic Cell Count (SCC) Analysis: Percentage (Number) of Cows within Stage of Lactation and Lactation Group for SCC > 200k and SCC > 750k for 46 Holstein Cows

Lactation Group	Early Lactation		Mid Lactation		Late Lactation	
	% SCC > 200k	% SCC > 750k	% SCC > 200k	% SCC > 750k	% SCC > 200k	% SCC > 750k
1	0% (0)	0% (0)	0% (0)	0% (0)	25.0% (1)	25.0% (1)
2	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	20.0% (1)	0.0% (0)
3	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	16.7% (2)	0.0% (0)
4	0.0% (0)	0.0% (0)	50.0% (1)	50.0% (1)	100.0% (1)	0.0% (0)
5	0.0% (0)	0.0% (0)	100.0% (1)	100.0% (1)	0.0% (0)	0.0% (0)
6+	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)

Table 6: Bulk Tank Results for 2025-03-31 (Number of Samples Tested: 1)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	3.37	3.28	4.52	192	12	
61 Tank	3.33	3.15	4.56	166	10.1	

**Figure 1:** Somatic Cell Count (SCC) Trend

The average Somatic Cell Count (SCC) and the trend over time is shown in the graph. The ideal is a herd with an average count of less than 200 000. A higher SCC results in lower milk production and possible udder infection. If animals with high SCC can be identified early, they can be treated in time, thereby preventing production loss and permanent udder damage resulting in lower herd life.

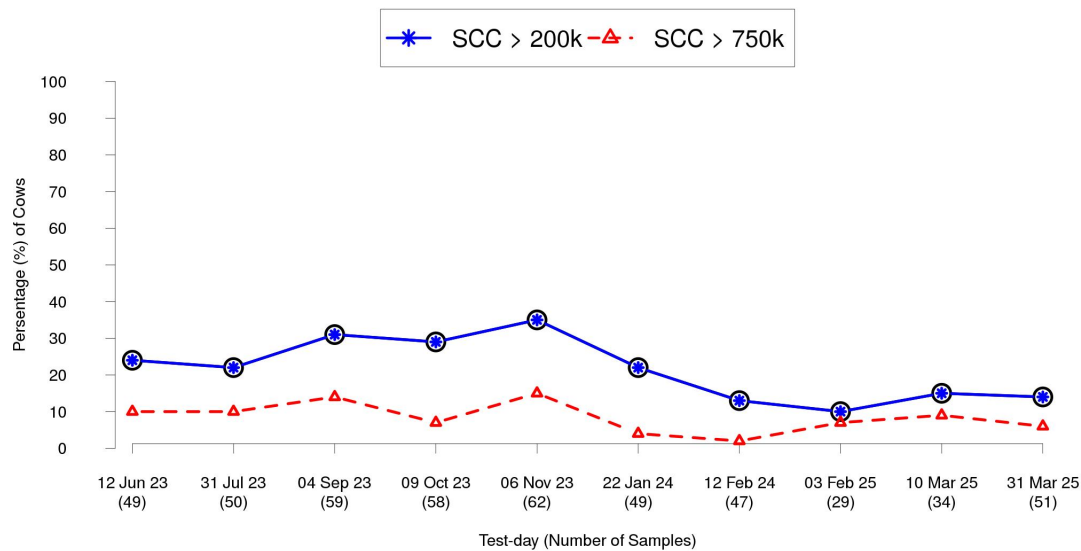


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

The graph presents the trend of the % of cows with Somatic Cell Counts (SCC) more then 200k and 500k, respectively. The ideal is to have as few cows as possible with a SCC of more than 200K and none with a SCC of more than 750k.

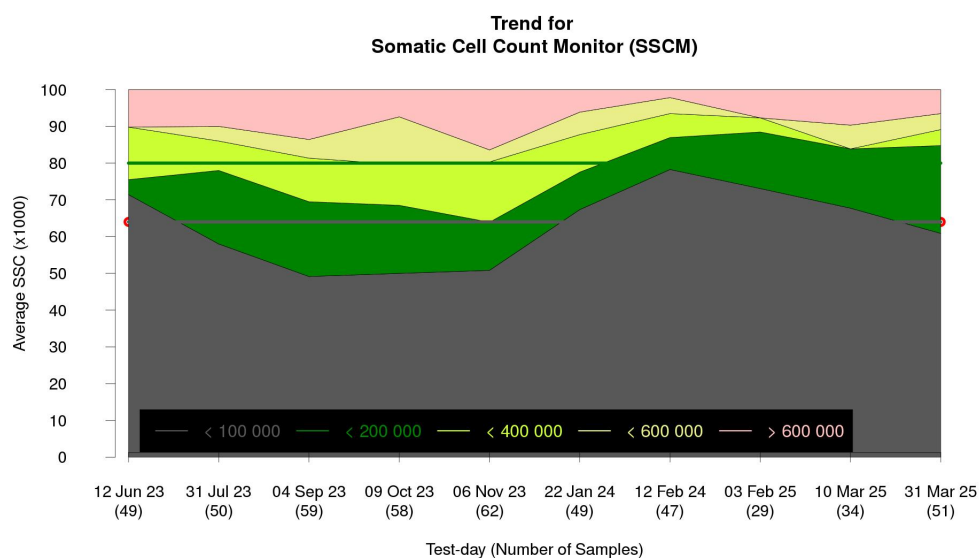


Figure 3: Somatic Cell Count (SCC) Monitor Trend

The graph shows the percentage of cows within certain Somatic Cell Count (SCC) levels. Ideally, at least 64% of the cows of a herd should have a SCC of less than 100 000 and 80% a SCC of less than 250 000. The danger zone is indicated in red, where ideally no cows should be indicated.

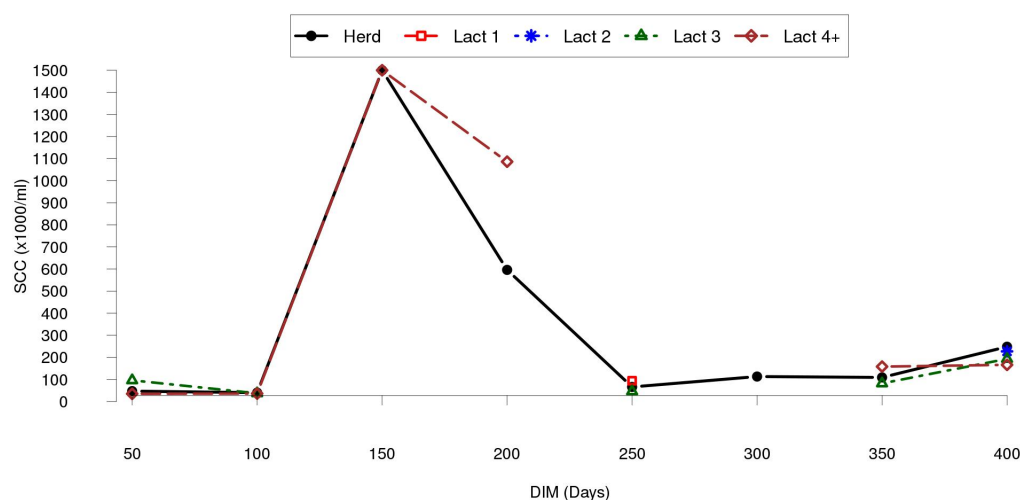


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

This graph indicates the average Somatic Cell Counts (SCC, x1000/ml) per day in milk (DIM) for the complete herd, as well as for Lactation 1, 2, 3 and 4+ cows, separately.

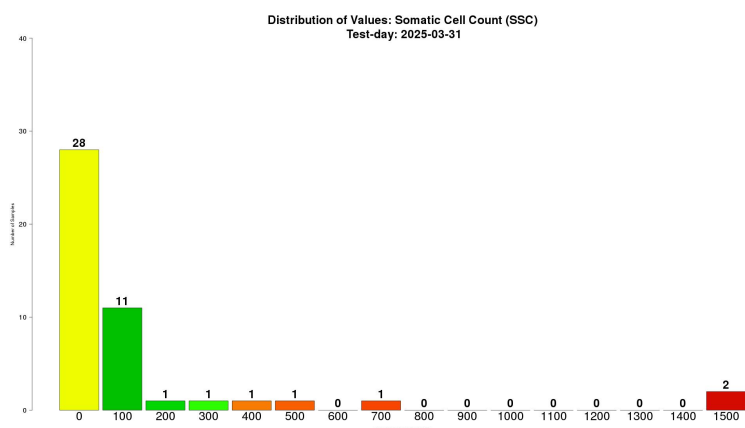


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2025-03-31)

The graph depicts the number of animals within certain levels of Somatic Cell Counts (SCC). If the cows with SCCs higher than 600 000 can be identified early, they can be treated or even culled from the herd, preventing economic losses due to penalties paid for high SCCs in the milk.

Table 7: Somatic Cell Count (SSC) distribution and Milk Loss Monitor 2025-03-31

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	28	11	3	2	0	2
% Cows	60.9 %	23.9 %	6.5 %	4.3 %	0.0 %	4.3 %
Milk Quality	Excellent	Very Good	Needs Improvement	Poor	Serious	BAD
% Milk Loss	< 2 %	2 - 4 %	4 - 8 %	8 - 10 %	10 - 35 %	> 35 %
% Quarters Infected	< 1 %	1 - 6 %	6 - 16 %	16 - 26 %	26 - 48 %	> 48 %

The average Somatic Cell Count (SCC) on 2025-03-31 for the herd, was 255 000. This figure places the herd in the "Yellow" SCC Zone and the milk quality Needs Improvement. Milk loss due to SCC is between 4 and 8 %.

Udder Health: Mastitis infections are evident and needs slight improvement. Check all management and control measures.

Table 8: Cows Under Pressure (SCC > 500k and Lactose % < 4.6)

Cow ID	Name	SCC	Lactose %	DIM	Parity	Production
PC016	CHAROL	4417	3.00	135	4	11
PA051	AMANDA	2091	4.14	186	5	28
PE024	ELLIS	798	4.48	424	1	16
PC050	CARRA	564	4.21	531	2	18

Table 9: Cows with Somatic Cell Counts > 200k (Status: N=New -, C=Chronic -, R=Recurring - and CR=Chronic and Recurring Infections)

Cow ID	Name	SCC 2025-03-31	SCC 2025-03-10	SCC 2025-02-03	Production	DIM	Parity	Status
PC016	CHAROL	4417	103	-	11	135	4	N
PA051	AMANDA	2091	555	6148	28	186	5	C
PE024	ELLIS	798	1012	3776	16	424	1	C
PC050	CARRA	564	-	-	18	531	2	N
PC035	CHELSEA	449	-	-	8	491	3	N
PA042	AMOS	304	-	-	14	596	3	R
BRICS	PB029 BRICS	209	191	219	16	337	4	R

Table 10: Possible Ketosis Cases; Cows under 100 days in milk (Prot. Fat Ratio < 0.68 for Jerseys and < 0.74 for other Breeds)

Cow ID	Name	Production	DIM	Parity	Prot % to Fat %	Breed
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Table 11: Possible Acidosis Cases (Protein % > Butterfat %)

Cow ID	Name	Production	DIM	Parity	Prot % to Fat %
PC014	CARNEY	14	627	3	1.22
PC007	CHARMA	35	9	3	1.21
PE054	PE 054 ECOVID	27	9	2	1.16
PE035	EURO	22	324	2	1.15
PF018	FEBS	22	223	1	1.15
BIBI	PB030 BIBI	21	311	3	1.12
PZ036ZAKU	PZ036 ZAKUMI	26	68	5	1.11
PC013	CARLA	23	280	3	1.10
PC036	CANON	26	211	3	1.08
PE034	EDWIN	25	186	2	1.07
PB012	BOLIVIA PB012	24	238	3	1.07
PE005	ERICA	30	83	2	1.05
EMA	PE014	23	284	2	1.05
PC023	CYREL	21	437	3	1.04
PZ045ZAIN	PZ045 ZAIN	29	30	4	1.03
PB008	BACCA	31	48	5	1.02
PE024	ELLIS	16	424	1	1.02
PZ005ZETA	PZ005 ZETA	23	10	7	1.02
PB052	BREEZ	32	52	3	1.02
PB045	BERLIN	36	8	3	1.01
BRICS	PB029 BRICS	16	337	4	1.00

Table 12: Dry Cows with a Dry Period more than 55 Days

Cow ID	Name	Breed	Last ICP	Avg. ICP	No. ICPs	Days Since Last Calf	Days Open
PB007	BELLS	HST	-	-	-	1378	1032
PC008	CANOLA	HST	349	349	1	992	721
ZAJG200009	DUDU	HST	-	-	-	893	589
ZAJG190007	CHARMEN	HST	493	493	1	894	527
PC005	CANDY	HST	377	377	1	827	507
ZAJG180014	BRANDY PB023	HST	738	738	1	737	507
ZAJG140015	PX041 X1014 XION	HST	579	416	5	1097	507
ZAJG130015	WILBO PW033	HST	538	492	5	1016	507
PB036	BELVA	HST	661	661	1	858	507
PY900	YOYO PY 009	HST	631	522	4	767	494
ZAJG170014	AVA	HST	497	524	2	748	472
PB004	BERYL	HST	374	410	3	619	396
ZAJG140003	PX014 XEROX	HST	487	511	5	715	396
ZAJG210044	PE044 EDGE	HST	-	-	-	580	396
ZAJG170004	ANAH	HST	700	531	3	594	396
PE001	EASY	HST	-	-	-	732	396
ZAJG150008	YEBO PY 014	HST	838	574	4	615	396
ZAJG180005	BETTY	HST	383	420	3	637	396
ZAJG170010	ANDRE	HST	613	515	3	643	396
ZAJG170003	PA004 ADEL	HST	448	499	3	741	396
PE022	EFF	HST	-	-	-	587	396
ZAJG190031	DIMPO	HST	-	-	-	695	396

Table 13: Cows with an active Inter-Calving Period (ICP) > 400 days

Cow ID	Name	Breed	Last ICP	Avg. ICP	No. ICPs	Days Since Last Calf	Production
PB007	BELLS	HST	-	-	-	1378	-
ZAJG140015	PX041 X1014 XION	HST	579	416	5	1097	-
ZAJG190026	CARRA	HST	-	-	-	1027	18
ZAJG130015	WILBO PW033	HST	538	492	5	1016	-
PC008	CANOLA	HST	349	349	1	992	-
ZAJG190007	CHARMEN	HST	493	493	1	894	-
ZAJG200009	DUDU	HST	-	-	-	893	-
PB036	BELVA	HST	661	661	1	858	-
PC005	CANDY	HST	377	377	1	827	-
PY900	YOYO PY 009	HST	631	522	4	767	-
ZAJG170014	AVA	HST	497	524	2	748	-
ZAJG170005	AVON	HST	345	364	4	745	31
ZAJG170003	PA004 ADEL	HST	448	499	3	741	-
ZAJG180014	BRANDY PB023	HST	738	738	1	737	-
PE001	EASY	HST	-	-	-	732	-
ZAJG140003	PX014 XEROX	HST	487	511	5	715	-
ZAJG190031	DIMPO	HST	-	-	-	695	-
ZAJG180002	BELINDA	HST	522	444	2	671	22
ZAJG170010	ANDRE	HST	613	515	3	643	-
PC014	CARNEY	HST	349	302	2	640	14
ZAJG180005	BETTY	HST	383	420	3	637	-
ZAJG190014	CANNY	HST	377	362	2	623	17
PB004	BERYL	HST	374	410	3	619	-
ZAJG150008	YEBO PY 014	HST	838	574	4	615	-
ZAJG190013	CARBY	HST	604	604	1	614	14
ZAJG170015	AMOS	HST	668	722	2	609	14
PD033	PD033 DRE	HST	-	-	-	601	11
PC007	CHARMA	HST	807	807	1	600	35
ZAJG170004	ANAH	HST	700	531	3	594	-
BRUTUS	PB032 BRUTUS	HST	581	479	2	594	29
PE022	EFF	HST	-	-	-	587	-
ZAJG210044	PE044 EDGE	HST	-	-	-	580	-
ZAJG200008	DIPSY	HST	438	438	1	574	30
ZAJG180024	BELIA	HST	454	476	2	530	31
ZAJG160002	PZ005 ZETA	HST	425	417	5	524	23
PB045	BERLIN	HST	674	674	1	516	36
ZAJG210021	PE 054 ECOVID	HST	-	-	-	510	27
PZ007ZOLA	PZ007ZOLA	HST	485	480	4	508	-
ZAJG190018	CHELSEA	HST	324	343	2	504	8
ZAJG160016	PZ041 ZOLANI	HST	500	466	4	493	15
PY05	YIELD PY056	HST	542	441	5	451	20
ZAJG190015	CYREL	HST	550	439	2	450	21
ZAJG210008	ELLIS	HST	-	-	-	437	16
PB019	BONNY	HST	390	406	2	407	-