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Kudde Gesondheids Verslag / Herd Health Report

VOORBERG GEVANGENIS

VOORBERG
PRIVATE BAG X2
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Test-day: 2025-03-10

Holstein Cows

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HERD HEALTH SUMMARY REPORT

VOORBERG GEVANGENIS - Holstein Cows

Table 1: Summary for Test-day 2025-03-10 (Number of Samples Tested: 32)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 24.7 Median: 23.0		
Butterfat (%)	Avg.: 3.54 Median: 3.48	3.5 % - 6.0 %	Too Low: 53 % Too High: 0 %
Protein (%)	Avg.: 3.40 Median: 3.48	3.0 % - 4.5 %	Too Low: 19 % Too High: 0 %
Lactose (%)	Avg.: 4.60 Median: 4.64	> 4.7 %	Too Low: 66 %
MUN (mg/dl)	Avg.: 14.31 Median: 14.45	8 - 16 mg/dl	Too Low: 0 % Too High: 22 %
SCC (x1000/ml)	Avg.: 221 Median: 56 % < 100 : 65.6 % % < 200 : 81.2 % % < 500 : 81.2 % % > 750 : 9.4 % % > 1 000 : 9.4 % % > 1 500 : 3.1 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 0 % Too High: 0 % Too High: 10.8 % Too High: 4.6 % Too High: 8.4 % Too High: 3.1 %
Butterfat Protein ratio	Average: 1.0	> 1.0	Too High: 40.6 %

Table 2: Quantification of Specific Cases (% of herd) and Loss in Production on 2025-03-10

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	36.8 (4.7 %)	1st Lact Cows:	413/551 (4)
DIM (kg per day):	97.5 (12.3 %)	2nd Lact Cows:	23/26 (3)
No. of Cows Under Pressure:	4 (12.5 %)	3rd Lact Cows:	323/71 (12)
No. Cows with SCC > 200k:	5 (15.6 %)	4th Lact Cows:	68/42 (6)
No. Cows with SCC > 750k:	3 (9.4 %)	5th Lact Cows:	156/48 (5)
No. New Infections:	4 (12.5 %)	6+ Lact Cows:	61/61 (1)
No. Recurring Infections:	0 (0.0 %)	Avg. SCC for SCC > 750k (n):	1417 (3)
Cure Rate for SCC > 200k:	33.3 % (1)	Avg. Days In Milk (DIM) for Herd:	205
Cure Rate for SCC > 750k:	50.0 % (1)	Median of DIM for Herd:	209
No. Chronic Infections (SCC > 200k):	1 (3.1 %)	Avg. DIM for SCC < 200k (n):	187 (26)
No. Chronic Infections (SCC > 750k):	0 (0.0 %)	Avg. DIM for SCC > 200k and < 750k (n):	214 (2)
No. of Possible Ketosis Cases:	0	Avg. DIM for SCC > 750k (n):	333 (3)
No. of Possible Acidosis Cases:	13	Avg. Parity for Herd:	3
Avg. Age at First Calf (Months):	28	Avg. Parity for SCC < 200k:	3
Avg. Inter-Calf Period (Days):	505	Avg. Parity for SCC > 200k and < 750k:	3
No. Flushings:	NA	Avg. Parity for SCC > 750k:	2
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	24.7	3.54	3.40	4.60	221	14.31
Top 25%	35.0	4.85	3.72	4.95	40	18.53
Breed Avg	29.0	4.42	3.50	4.76	283	15.40
Bottom 25%	22.6	3.94	3.25	4.64	243	11.65

*** 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 32 Holstein Cows

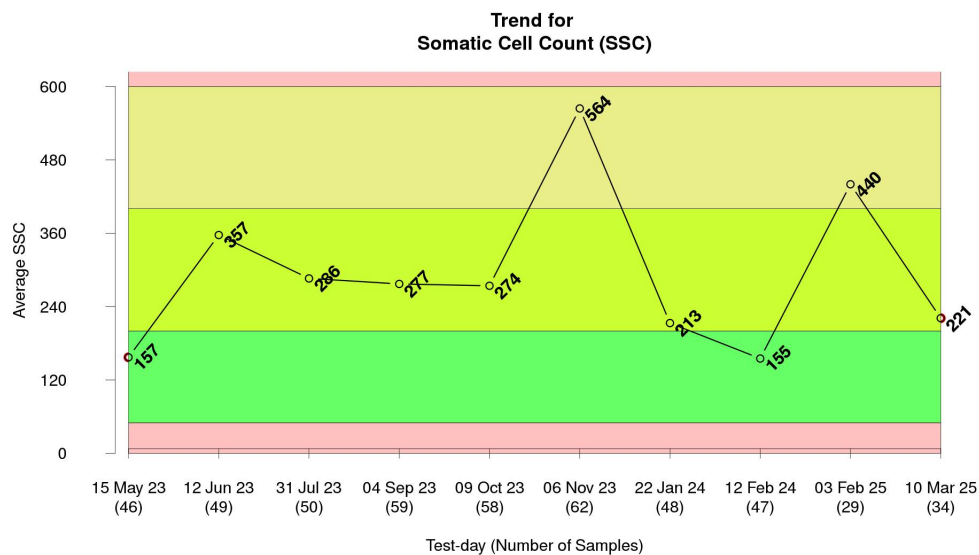
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	12.5% (4)	0.0% (0)	0.0% (0)	12.5% (4)	6.2% (2)	3.1% (1)
2	9.4% (3)	3.1% (1)	3.1% (1)	3.1% (1)	0.0% (0)	0.0% (0)
3	37.5% (12)	6.2% (2)	6.2% (2)	25.0% (8)	6.2% (2)	6.2% (2)
4	18.8% (6)	6.2% (2)	6.2% (2)	6.2% (2)	0.0% (0)	0.0% (0)
5	15.6% (5)	9.4% (3)	3.1% (1)	3.1% (1)	3.1% (1)	0.0% (0)
6+	3.1% (1)	0.0% (0)	3.1% (1)	0.0% (0)	0.0% (0)	0.0% (0)
Herd	96.9% (31)	24.9% (8)	21.7% (7)	49.9% (16)	15.5% (5)	9.3% (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 32 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)	50.0% (2)	25.0% (1)
2	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
3	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	25.0% (2)	25.0% (2)
4	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
5	0.0% (0)	0.0% (0)	100.0% (1)	0.0% (0)	0.0% (0)	0.0% (0)
6+	0% (0)	0% (0)	0.0% (0)	0.0% (0)	0% (0)	0% (0)

Table 6: Bulk Tank Results for 2025-03-10 (Number of Samples Tested: 0)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	3.45	3.32	4.61	199	14	

**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.

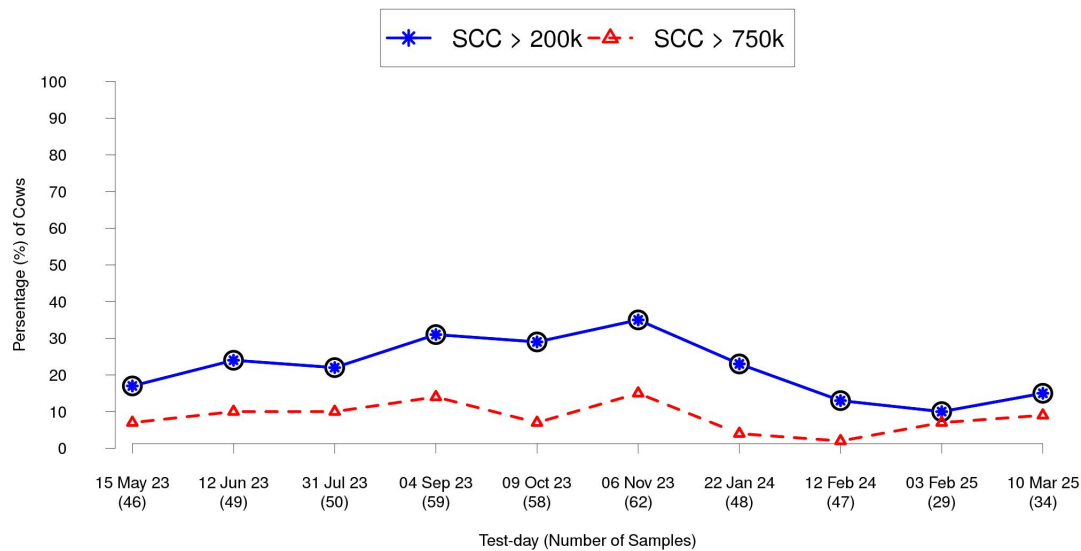


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

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.

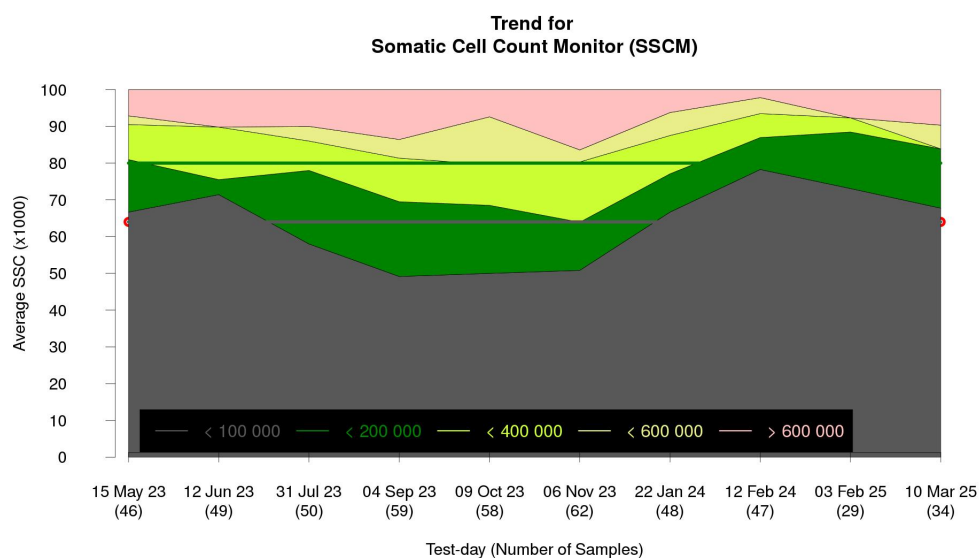


Figure 3: Somatic Cell Count (SCC) Monitor Trend

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.

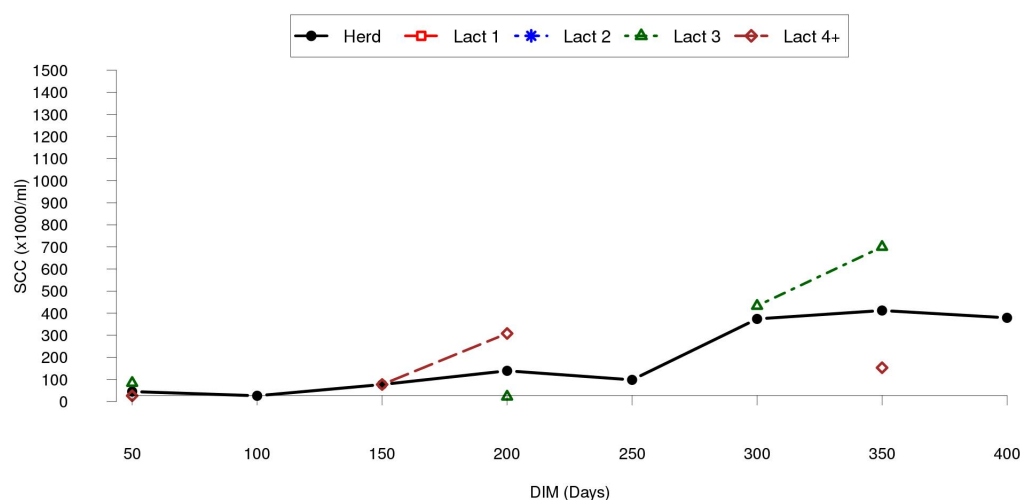


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

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.

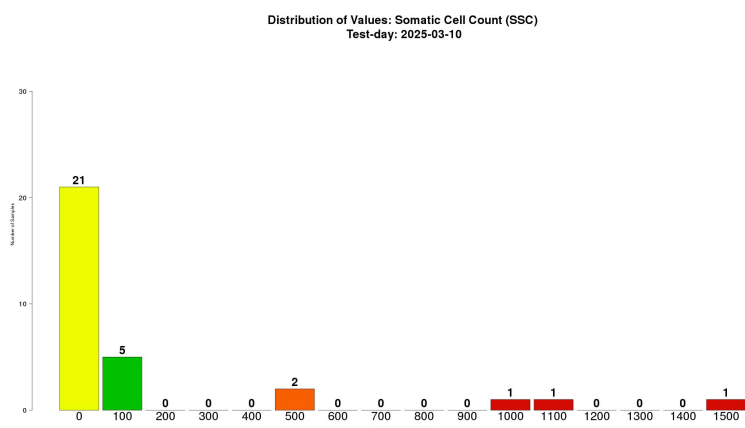


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2025-03-10)

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 2025-03-10

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	21	5	0	2	2	1
% Cows	67.7 %	16.1 %	0.0 %	6.5 %	6.5 %	3.2 %
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 2025-03-10 for the herd, was 221 000. 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
PD005	DOLLY	2057	4.37	307	3	22
BIBI	PB030 BIBI	1183	4.46	290	3	21
PA051	AMANDA	555	4.34	165	5	31
PF013	FREDA	551	4.33	263	1	20

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 2025-03-10	SCC 2025-02-03	SCC 2024-02-12	Production	DIM	Parity	Status
PD005	DOLLY	2057	42	-	22	307	3	N
BIBI	PB030 BIBI	1183	-	-	21	290	3	N
PE024	ELLIS	1012	3776	-	17	403	1	N
PA051	AMANDA	555	6148	385	31	165	5	C
PF013	FREDA	551	23	-	20	263	1	N

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 %
PZ045ZAIN	PZ045 ZAIN	23	9	4	1.20
PF016	FLINK	17	215	1	1.17
PZ036ZAKU	PZ036 ZAKUMI	27	47	5	1.13
PE034	EDWIN	25	165	2	1.11
PC024	CAMRY	24	266	3	1.08
PE005	ERICA	29	62	2	1.07
PB008	BACCA	34	27	5	1.07
PE024	ELLIS	17	403	1	1.05
PF009	FELIX	20	319	1	1.05
BIBI	PB030 BIBI	21	290	3	1.03
PC023	CYREL	20	416	3	1.02
PC038	CHINA	29	122	4	1.02
PA002ANEL	PA002 ANEL	32	52	5	1.02

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
ZAJG180007	BELLS	HST	-	-	-	1343	998
PC008	CANOLA	HST	349	349	1	957	687
PD017	DUDU	HST	-	-	-	858	555
PC012	CHARMEN	HST	493	493	1	859	493
ZAJG130015	WILBO PW033	HST	538	492	5	981	473
ZAJG180014	BRANDY PB023	HST	738	738	1	702	473
ZAJG140015	PX041 X1014 XION	HST	579	416	5	1062	473
PC005	CANDY	HST	377	377	1	792	473
PB036	BELVA	HST	661	661	1	823	473
ZAJG170005	AVON	HST	345	364	4	710	460
ZAJG150006	YOYO PY 009	HST	631	522	4	732	460
PA034	AVA	HST	497	524	2	713	438
PD033	PD033 DRE	HST	-	-	-	566	362
ZAJG190031	DIMPO	HST	-	-	-	660	362
PE054	PE 054 ECOVID	HST	-	-	-	475	362
ZAJG170004	ANAH	HST	700	531	3	559	362
PA004ADEL	PA004 ADEL	HST	448	499	3	706	362
PD016	DIPSY	HST	438	438	1	539	362
ZAJG210007	EFF	HST	-	-	-	552	362
ZAJG170010	ANDRE	HST	613	515	3	608	362
ZAJG180021	BERLIN	HST	674	674	1	481	362
PC020	CARBY	HST	604	604	1	579	362
PC021	CANNY	HST	377	362	2	588	362
ZAJG150056	YIELD PY056	HST	448	416	4	958	362
ZAJG180018	PB032 BRUTUS	HST	581	479	2	559	362
ZAJG170015	AMOS	HST	668	722	2	574	362
ZAJG180024	BELIA	HST	454	476	2	495	362
PB002	BELINDA	HST	522	444	2	636	362
PB005	BETTY	HST	383	420	3	602	362
PC035	CHELSEA	HST	324	343	2	469	362
ZAJG190026	CARRA	HST	-	-	-	992	362
PC007	CHARMA	HST	807	807	1	565	362
PY014	YEBO PY 014	HST	838	574	4	580	362
PE044	PE044 EDGE	HST	-	-	-	545	362
ZAJG160016	PZ041 ZOLANI	HST	500	466	4	458	362
PC014	CARNEY	HST	349	302	2	605	362
ZAJG210001	EASY	HST	-	-	-	697	362
PX014	PX014 XEROX	HST	487	511	5	680	362
PZ005ZETA	PZ005 ZETA	HST	425	417	5	489	362
ZAJG180004	BERYL	HST	374	410	3	584	362

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
ZAJG180007	BELLS	HST	-	-	-	1343	-
ZAJG160018	PZ045 ZAIN	HST	736	534	2	1171	23
ZAJG140015	PX041 X1014 XION	HST	579	416	5	1062	-
ZAJG190026	CARRA	HST	-	-	-	992	-
ZAJG130015	WILBO PW033	HST	538	492	5	981	-
ZAJG150056	YIELD PY056	HST	448	416	4	958	-
PC008	CANOLA	HST	349	349	1	957	-
PC012	CHARMEN	HST	493	493	1	859	-
PD017	DUDU	HST	-	-	-	858	-
PB036	BELVA	HST	661	661	1	823	-
PC005	CANDY	HST	377	377	1	792	-
PB038	BIANCA	HST	463	409	2	761	38
ZAJG150006	YOYO PY 009	HST	631	522	4	732	-
PA034	AVA	HST	497	524	2	713	-
ZAJG170005	AVON	HST	345	364	4	710	-
PA004ADEL	PA004 ADEL	HST	448	499	3	706	-
PB052	BREEZ	HST	656	656	1	702	29
ZAJG180014	BRANDY PB023	HST	738	738	1	702	-
ZAJG210001	EASY	HST	-	-	-	697	-
PX014	PX014 XEROX	HST	487	511	5	680	-
ZAJG190031	DIMPO	HST	-	-	-	660	-
PB002	BELINDA	HST	522	444	2	636	-
ZAJG170010	ANDRE	HST	613	515	3	608	-
PC014	CARNEY	HST	349	302	2	605	-
PB005	BETTY	HST	383	420	3	602	-
PC021	CANNY	HST	377	362	2	588	-
ZAJG180004	BERYL	HST	374	410	3	584	-
PY014	YEBO PY 014	HST	838	574	4	580	-
PC020	CARBY	HST	604	604	1	579	-
ZAJG170015	AMOS	HST	668	722	2	574	-
PD033	PD033 DRE	HST	-	-	-	566	-
PC007	CHARMA	HST	807	807	1	565	-
PC016	CHAROL	HST	394	385	2	560	15
ZAJG180018	PB032 BRUTUS	HST	581	479	2	559	-
ZAJG170004	ANAH	HST	700	531	3	559	-
ZAJG210007	EFF	HST	-	-	-	552	-
PE044	PE044 EDGE	HST	-	-	-	545	-
PD016	DIPSY	HST	438	438	1	539	-
ZAJG180008	BACCA	HST	360	335	3	504	34
ZAJG200004	DINAH	HST	506	506	1	496	45
ZAJG180024	BELIA	HST	454	476	2	495	-
PZ005ZETA	PZ005 ZETA	HST	425	417	5	489	-
ZAJG180021	BERLIN	HST	674	674	1	481	-
PE054	PE 054 ECOVID	HST	-	-	-	475	-
PZ007ZOLA	PZ007ZOLA	HST	485	480	4	473	-
PC035	CHELSEA	HST	324	343	2	469	-
ZAJG160016	PZ041 ZOLANI	HST	500	466	4	458	-
PC023	CYREL	HST	550	439	2	415	20
PE024	ELLIS	HST	-	-	-	402	17