

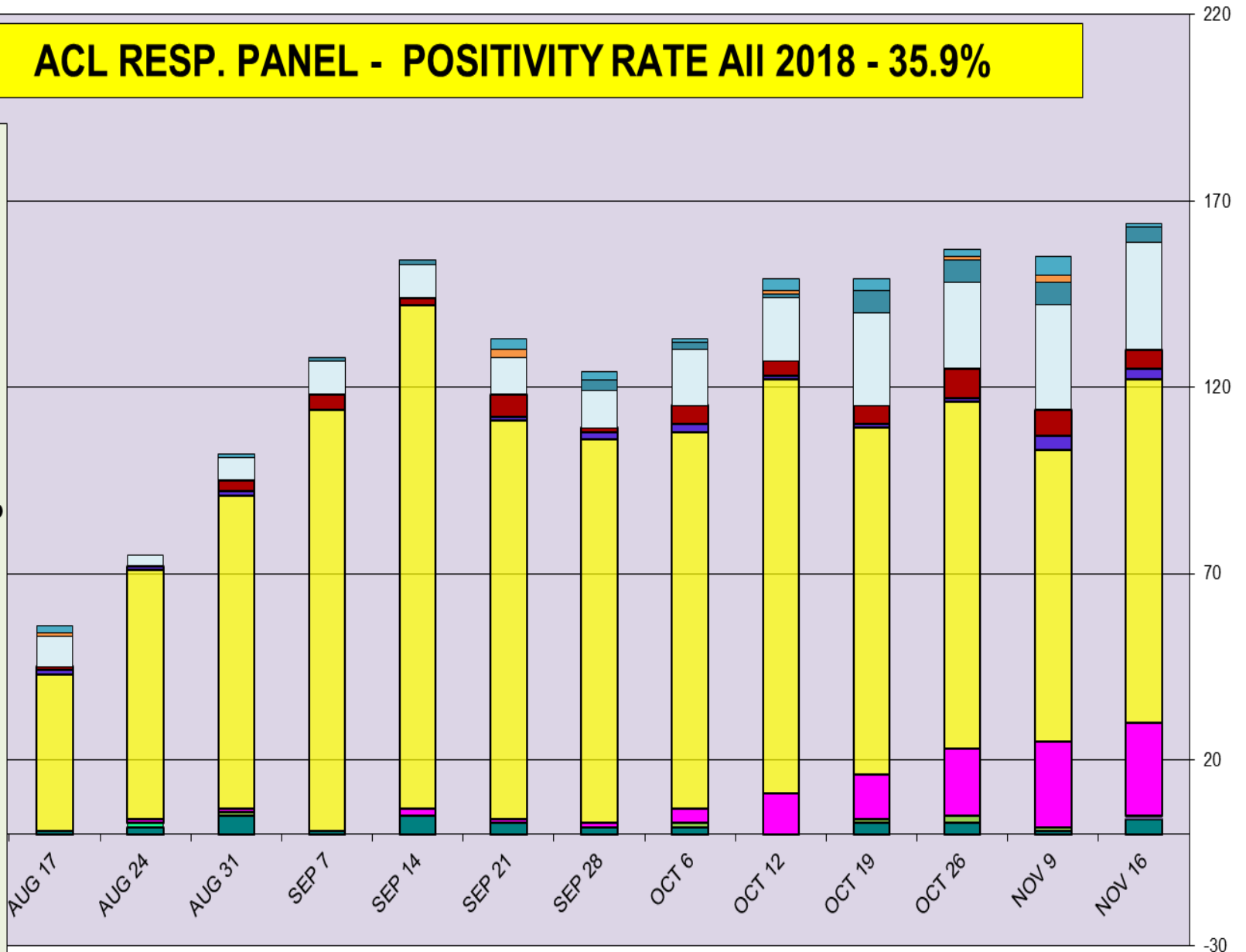
Respiratory Pathogens Data Aug 10 - Nov 16 2018

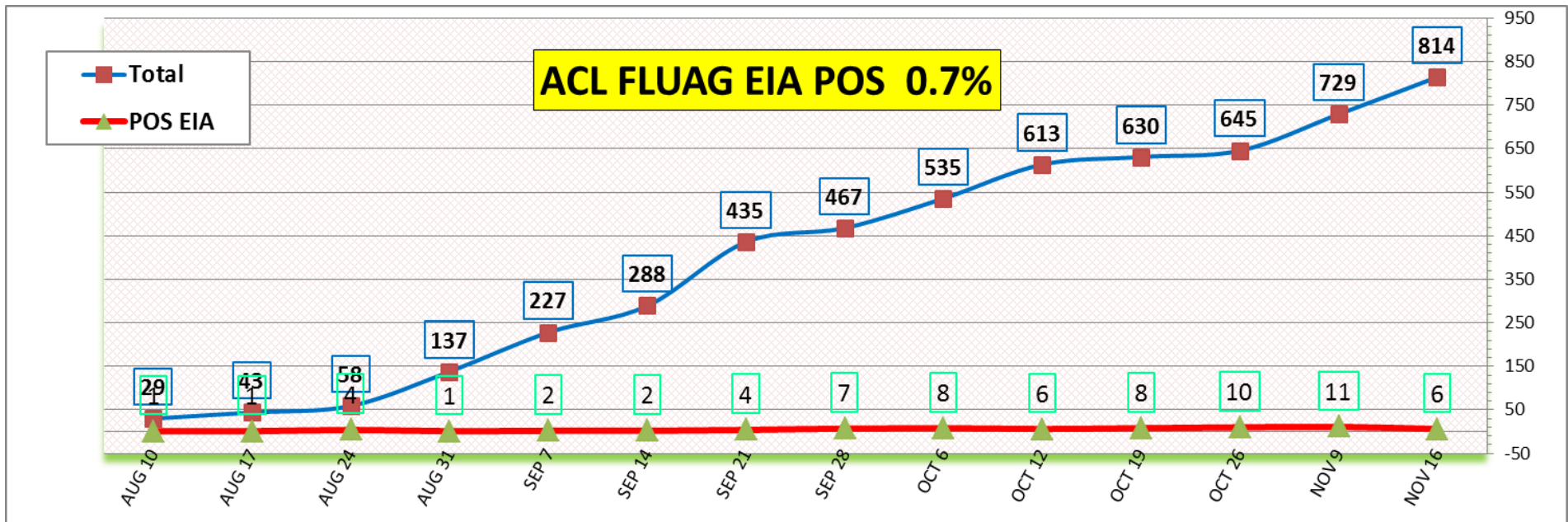
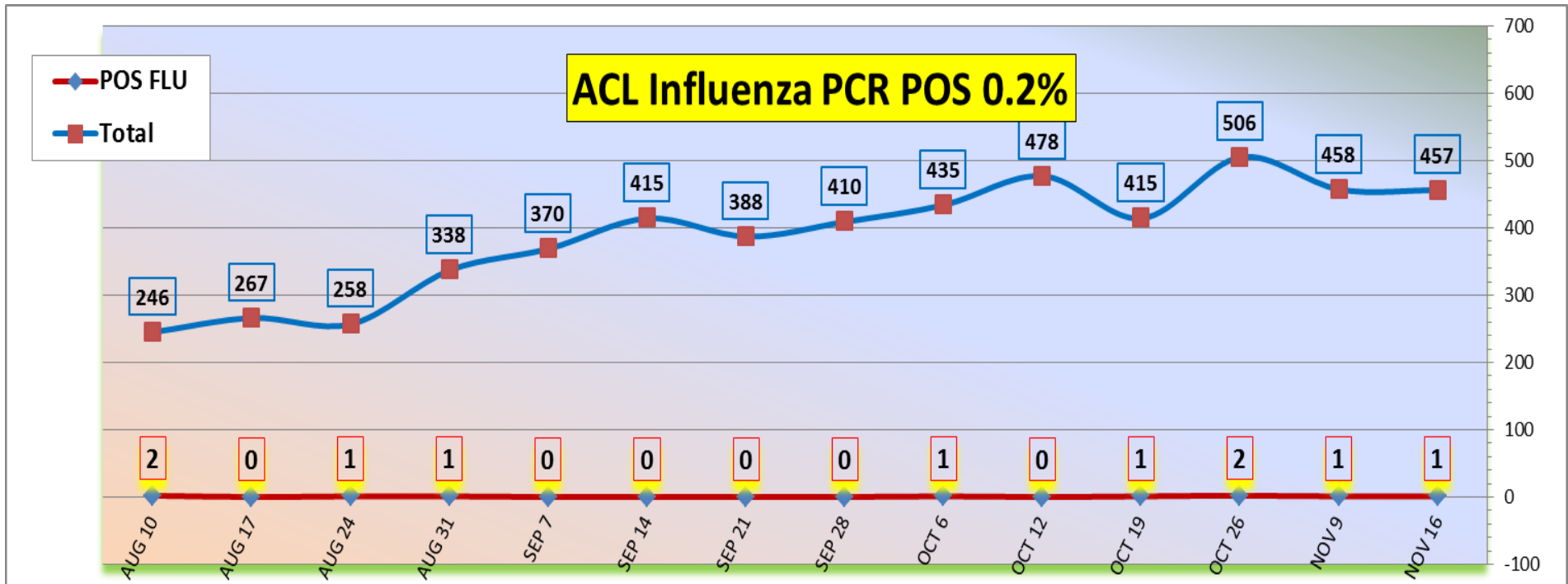
Week Beginning	InfA-H1	InfA-H3	2009 H1N1	Inf B	RSV	All Para	EV/ Rhino	Meta pneumo	Adeno	All Corona	Bocca	Mycoplasma	Chlamydia	Total Pos	POS FLU	Total	ACL %FLU	US %FLU	IL/WI PCR	Sofia EIA
NOV 16	1	0	0	0	25	29	92	3	5	1	4	4	0	164	1	457	0.2	n/a	n/a	0.7
NOV 9	0	0	1	0	23	28	78	4	7	5	1	6	2	155	1	458	0.2	1.2	0.9	1.5
OCT 26	0	0	2	0	18	23	93	1	8	2	3	6	1	157	2	506	0.4	0.9	0.7	0.7
OCT 19	0	0	1	0	12	25	93	1	5	3	3	6	0	149	1	415	0.2	0.8	0.3	0.3
OCT 12	0	0	0	0	11	17	111	1	4	3	0	1	1	149	0	478	0.0	0.6	0.4	1.0
OCT 6	0	0	1	0	4	15	101	2	5	1	2	2	0	133	1	435	0.2	0.8	0.5	1.5
SEP 28	0	0	0	0	1	10	103	2	1	2	2	3	0	124	0	410	0.0	0.9	0.6	1.5
SEP 21	0	0	0	0	1	10	107	1	6	3	3	0	2	133	0	388	0.0	0.8	0.9	0.9
SEP 14	0	0	0	0	2	9	135	0	2	0	5	1	0	154	0	415	0.0	0.7	1.0	0.7
SEP 7	0	0	0	0	0	9	113	0	4	0	1	1	0	128	0	370	0.0	1.7	0.5	0.9
AUG 31	0	0	1	0	1	6	84	1	3	1	5	0	0	102	1	338	0.3	1.8	0.7	0.7
AUG 24	0	1	0	0	1	3	67	1	0	0	2	0	0	75	1	258	0.4	1.6	0.2	6.9
AUG 17	0	0	0	0	0	8	42	1	1	2	1	0	1	56	0	267	0.0	0.3	1.2	2.3
AUG 10	0	0	2	0	0	6	55	2	2	1	1	1	0	70	2	246	0.8	0.9	0.2	3.4

Flu PCR
% Rate

ACL RESP. PANEL - POSITIVITY RATE All 2018 - 35.9%

- All Corona
- Chla mydia
- Myco plasma
- All Para
- Adeno
- Meta pneumo
- EV / Rhino
- RSV
- Inf B
- InfA-H3
- 2009 H1N1
- InfA-H1
- Bocca





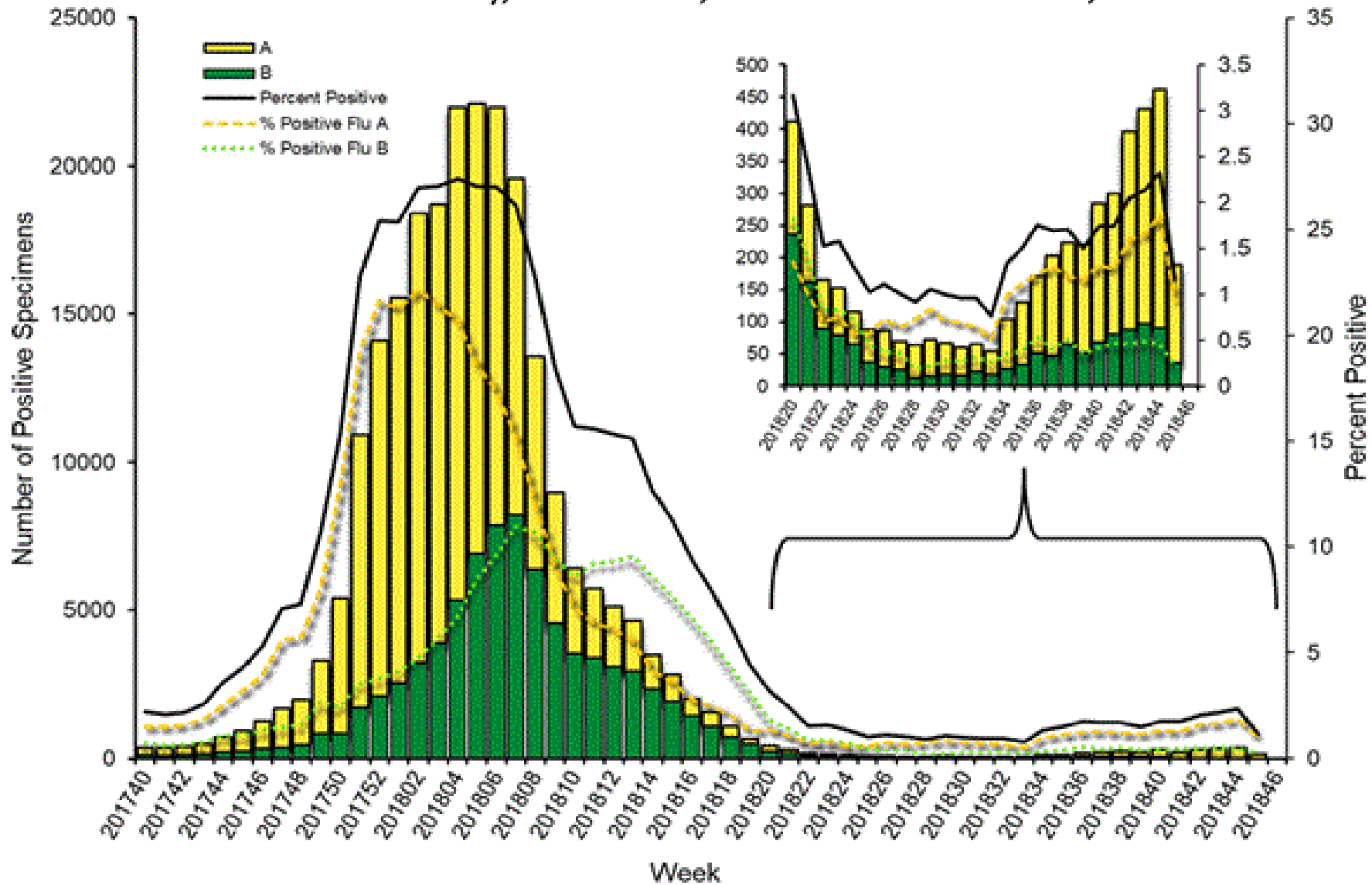
Correlation between RPPNL (FLU PCR) and Sofia (FLUAG)

Accuracy for the beginning of the season is 99.8%

In the last five weeks 414 samples were tested by both methods most of them negative only 2 samples were positive by EIA.

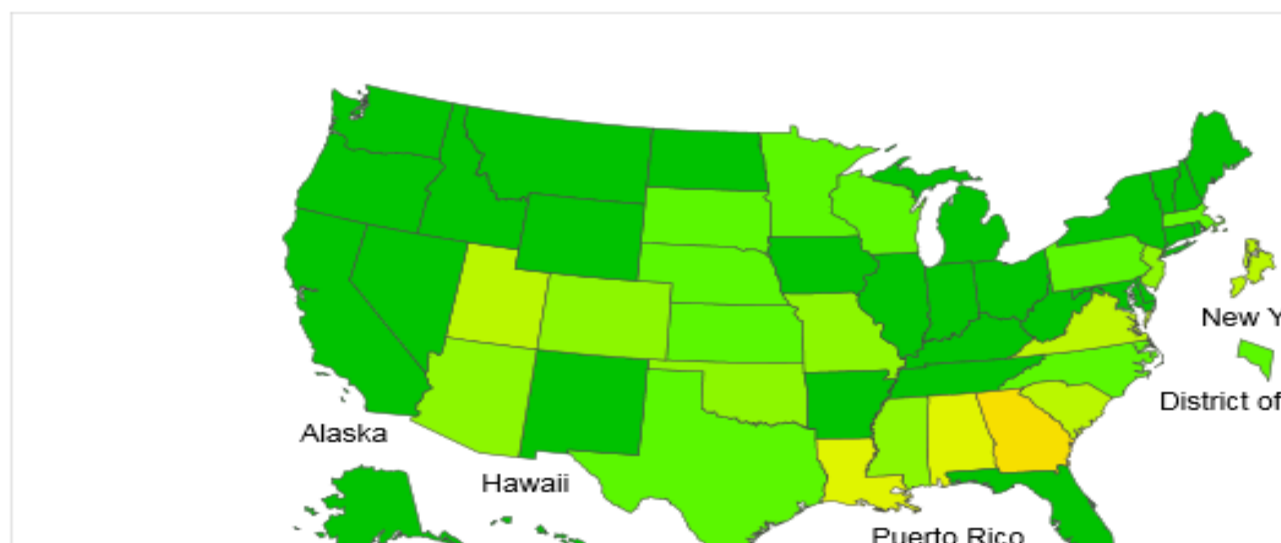
Oct 14 2018 to Nov 16 2018				
FLUAG (Sofia) vs RPPNL (PCR) correlation				
		RPPNL		
		+	-	Total
FluAG	+	1	0	1
	-	1	412	413
			Total	414
%				
50.0	Clinical Sensitivity			
100.0	Clinical Specificity			
100.0	Positive Predictive Value (PPV)			
99.8	Negative Predicative Value (NPV)			
99.8	Accuracy			
<i>Both positive samples were run 72 h apart</i>				

Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, October 1, 2017 – November 10, 2018

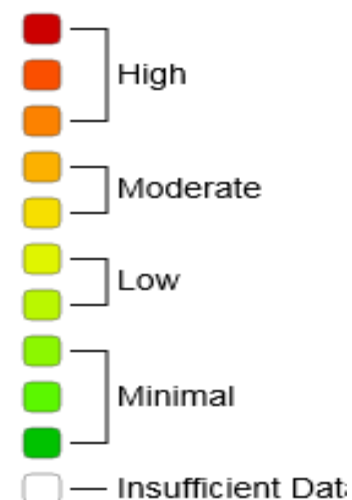


Data Reported to ILINet

2018-19 Influenza Season Week 45 ending Nov 10, 2018



ILI Activity Level



*This map uses the proportion of outpatient visits to healthcare providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

*Data collected in ILINet may disproportionately represent certain populations within a state, and therefore may not accurately depict the full picture of influenza activity for the whole state.

*Data displayed in this map are based on data collected in ILINet, whereas the State and Territorial flu activity map are based on reports from state and territorial epidemiologists. The data presented in this map is preliminary and may change as more data is received.

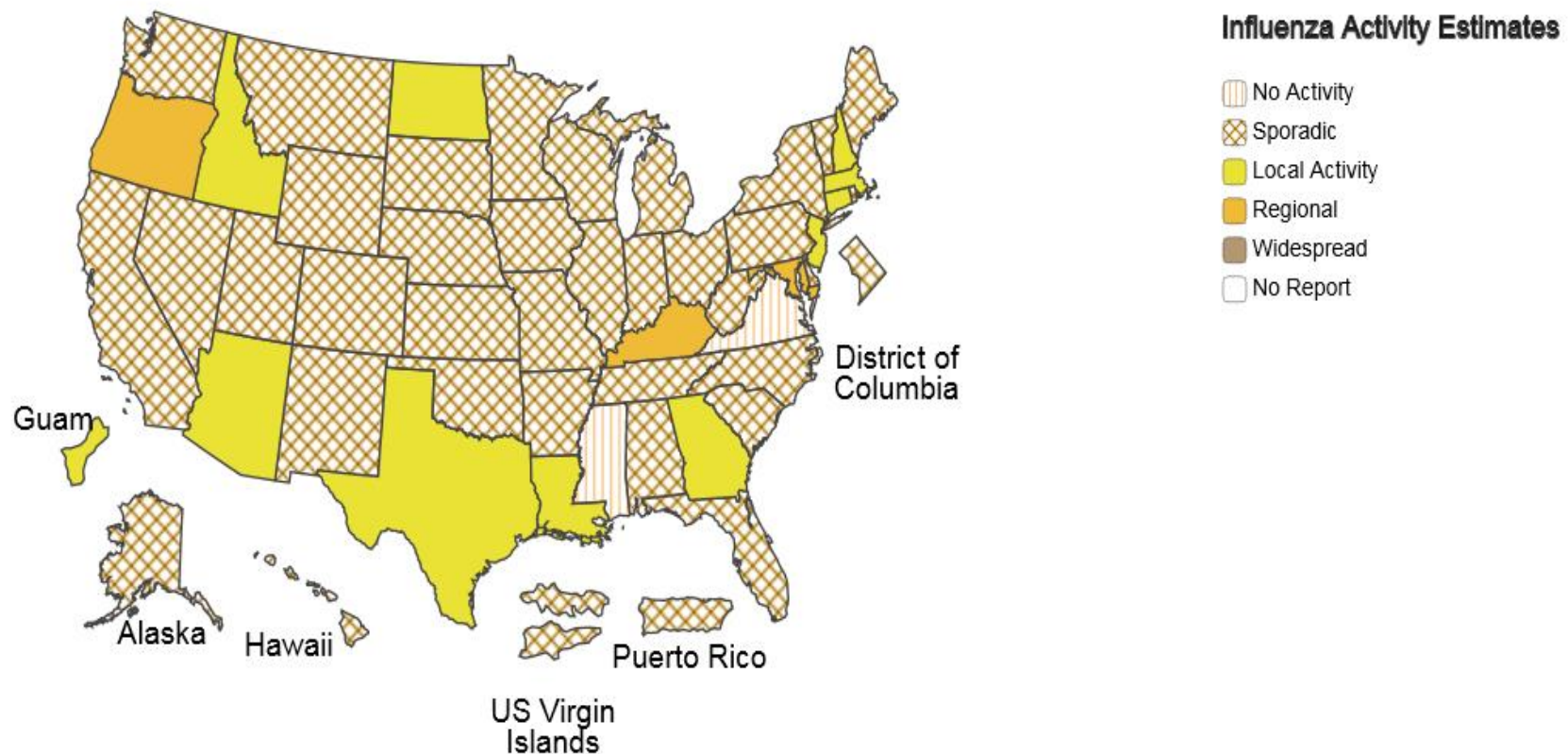
*Differences in the data presented by CDC and state health departments likely represent differing levels of data completeness with data presented by the state likely being the more complete.

*For the data download you can use Activity Level for the number and Activity Level Label for the text description.

A Weekly Influenza Surveillance Report Prepared by the Influenza Division

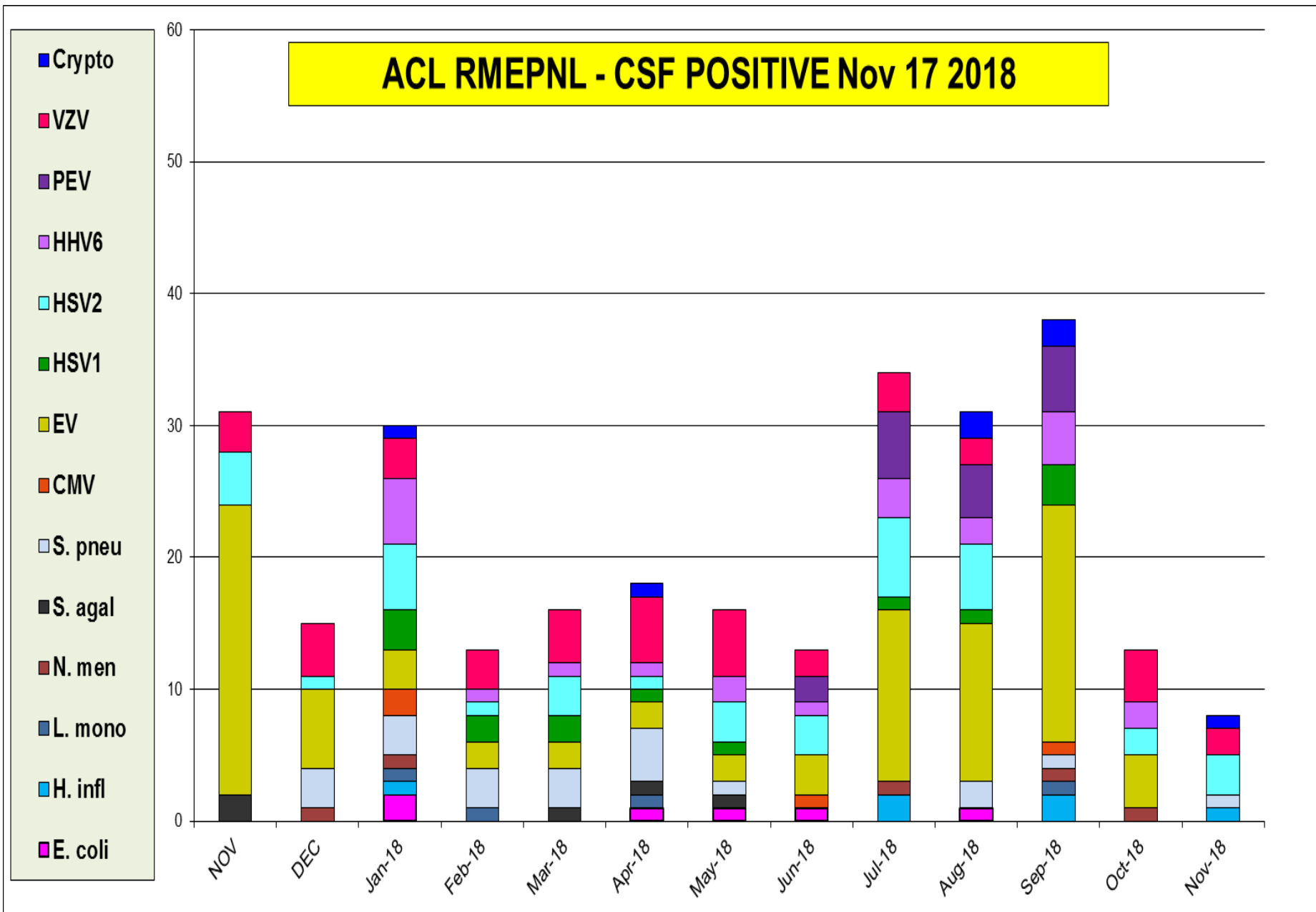
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*

Week Ending Nov 10, 2018 - Week 45

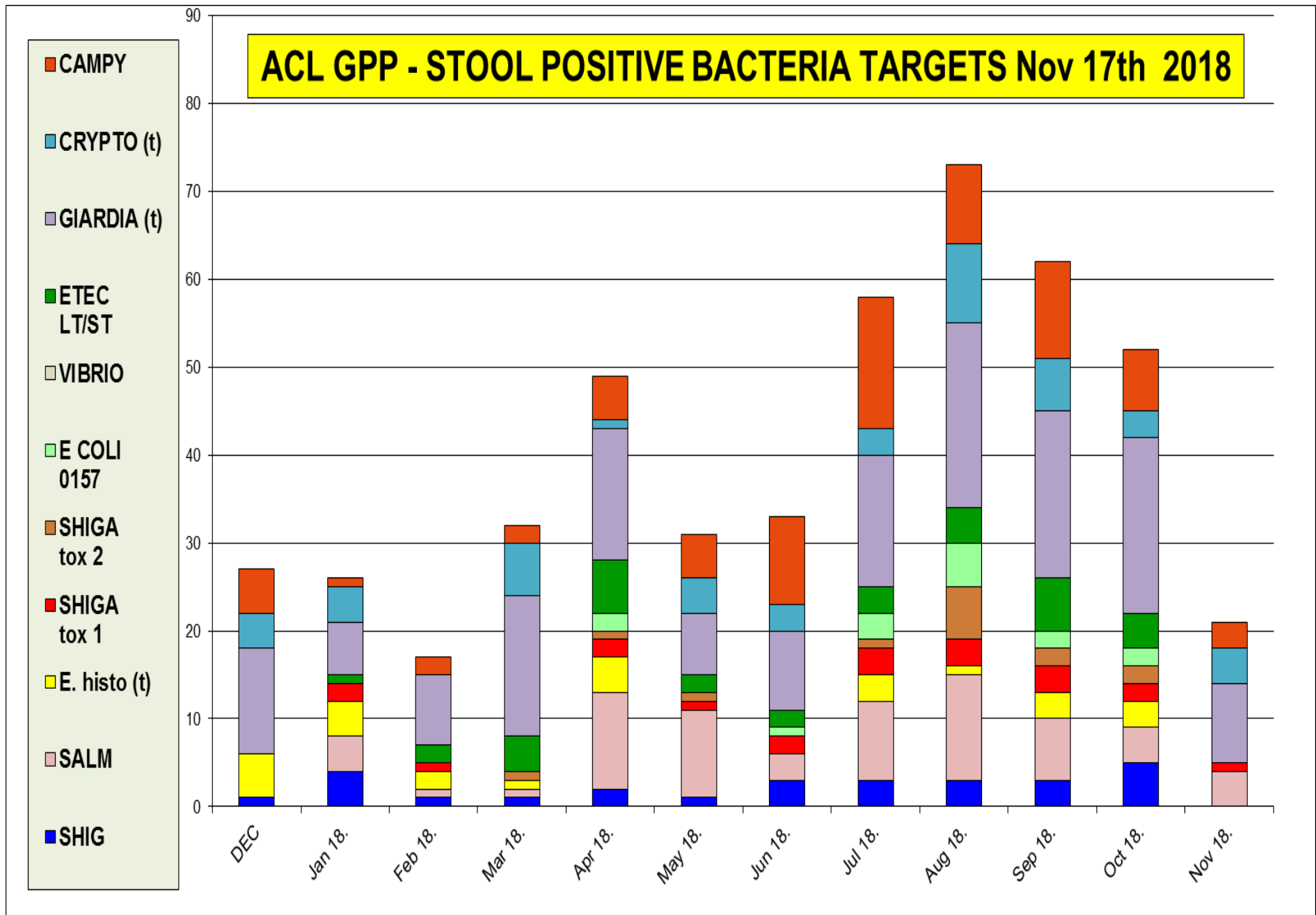


*This map indicates geographic spread and does not measure the severity of influenza activity.

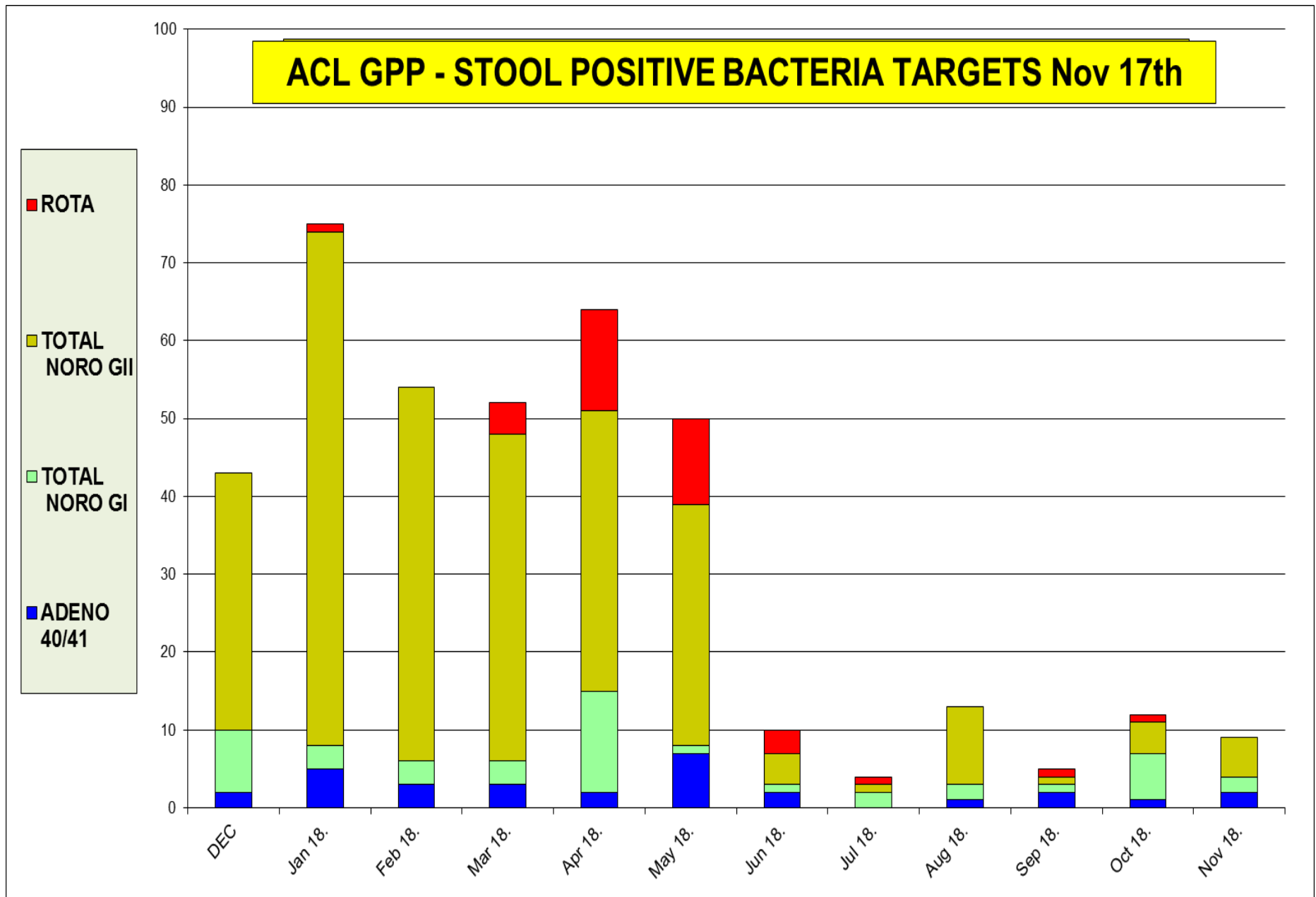
The most prevalent target as Nov 17th was HSV2 – total pos. rate 7.4%



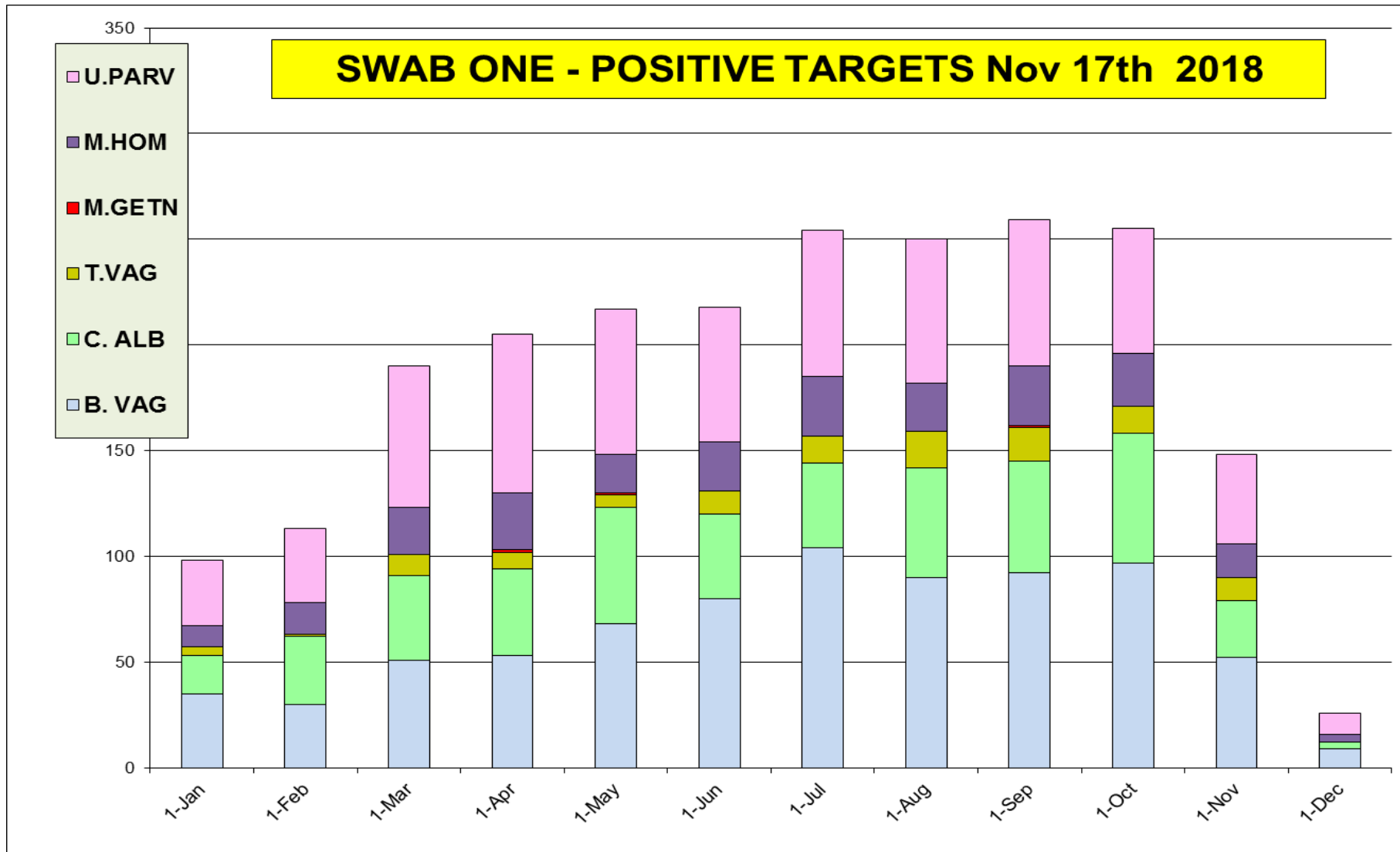
The most prevalent targets as Nov 17th was **Giardia**



The most prevalent target as Nov 17th was Norovirus



	BV-Bacterial vagionosis	Candida albicans	Candida galbrata	Candida kruzei	T. vaginalis	M. genitalium	M. hominis	U. parvum	TOTAL % POS
% pos	21.4	13.0	1.9	0.3	3.1	0.1	6.7	18.5	64.8



Neuraminidase Inhibitors Resistance in Samples Collected – May 20- Nov 16, 2018,

Per CDC website	Oseltamivir		Zanamivir		Peramivir	
	Virus Samples tested (n)	Resistant Viruses, (%)	Virus Samples tested (n)	Resistant Viruses, (%)	Virus Samples tested (n)	Resistant Viruses, (%)
Influenza A (H1N1)pdm09	70	0	70	0	70	0
Influenza A (H3N2)	57	0	57	0	57	0
Influenza B	44	0	44	0	44	0