

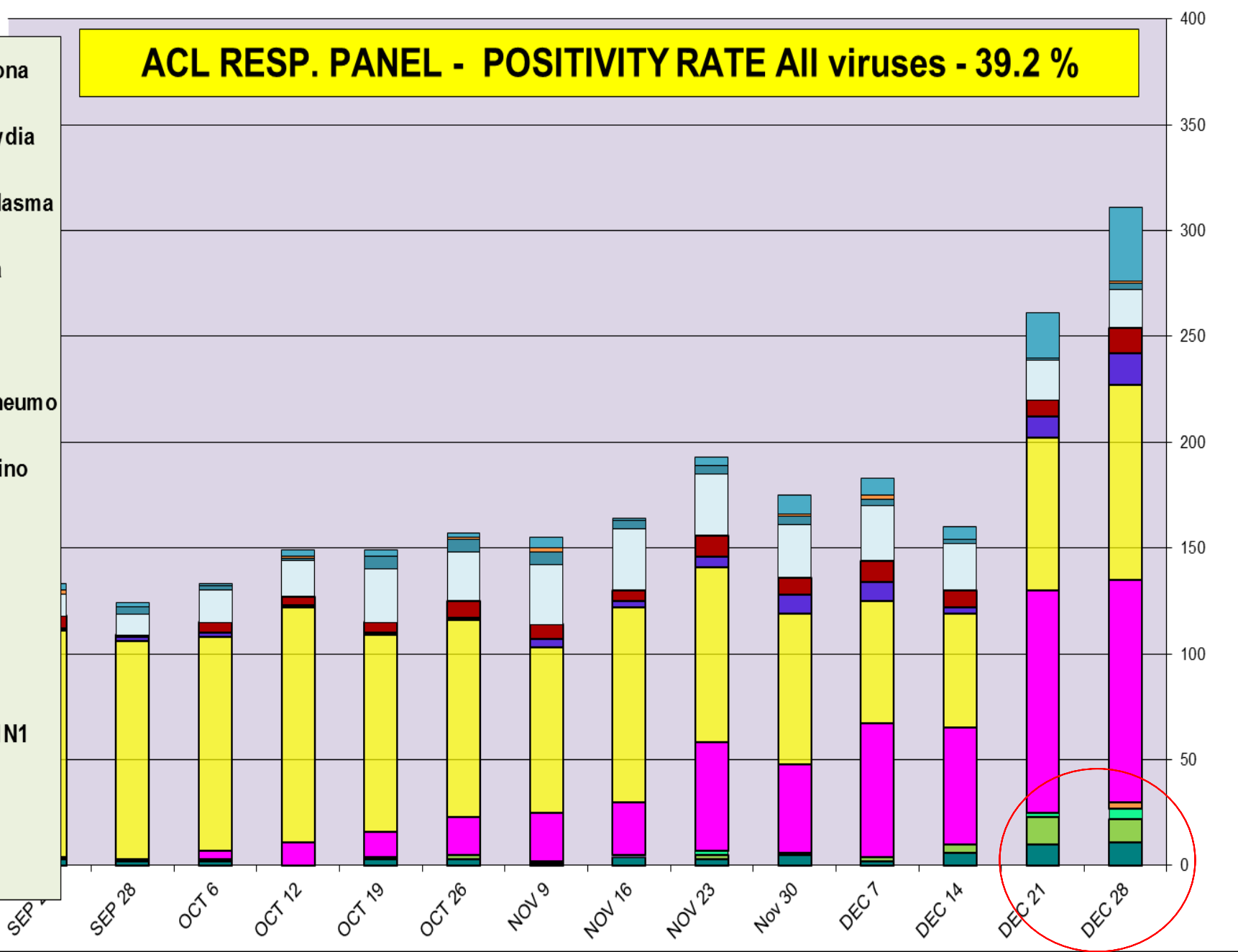
Respiratory Pathogens Data Sep 21 - Dec 28 2018

Week Beginning	InfA-H1	InfA-H3	2009 H1N1	Inf B	RSV	All Para	EV/ Rhino	Meta pneumo	Adeno	All Corona	Bocca	Myco plasma	Chla mydia	Total Pos	POS FLU	Total	ACL %FLU	US %FLU	IL/WI PCR	Sofia FIA
DEC 28	0	5	11	3	105	18	92	15	12	35	11	3	1	311	19	783	2.4	n/a	n/a	3.7
DEC 21	0	2	13	0	105	19	72	10	8	21	10	1	0	261	15	766	2.0	15.6	6.9	7.2
DEC 14	0	0	4	0	55	22	54	3	8	6	6	2	0	160	4	891	0.4	11.0	4.1	
DEC 7	0	0	2	0	63	26	58	9	10	8	2	3	2	183	2	785	0.3	3.6	1.8	
Nov 30	0	0	1	0	42	25	71	9	8	9	5	4	1	175	4	641	0.6	4.2	1.9	1.9
NOV 23	0	2	2	0	51	29	83	5	10	4	3	4	0	193	4	566	0.7	2.4	1.6	2.7
NOV 16	1	0	0	0	25	29	92	3	5	1	4	4	0	164	1	457	0.2	1.7	1.5	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	1.6
OCT 19	0	0	1	0	12	25	93	1	5	3	3	6	0	149	1	415	0.2	0.8	0.5	1.3
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

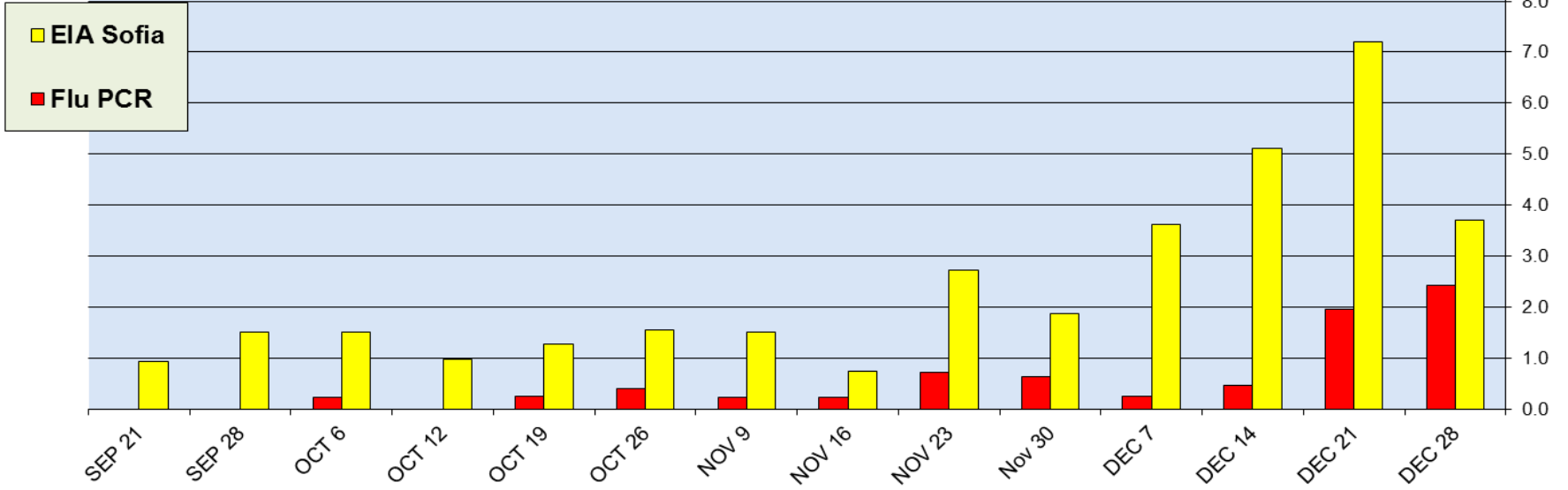
Flu PCR
% Rate

ACL RESP. PANEL - POSITIVITY RATE All viruses - 39.2 %

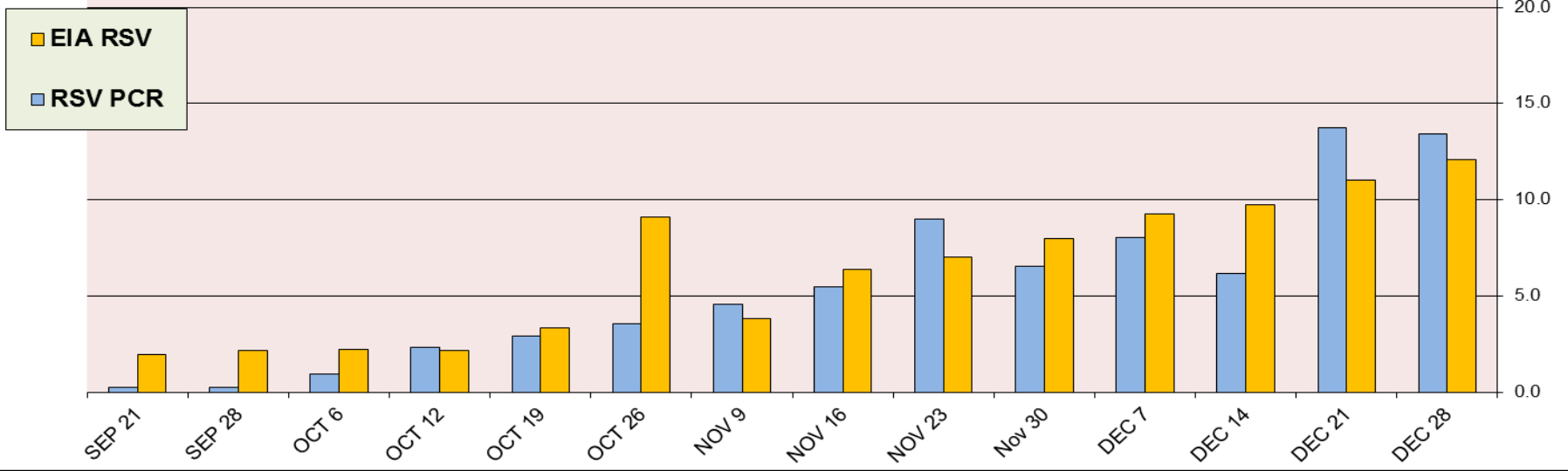
- All Corona
- Chla mydia
- Myco plasma
- All Para
- Adeno
- Meta pneumo
- EV / Rhino
- RSV
- Inf B
- InfA-H3
- 2009 H1N1
- InfA-H1
- Bocca



ACL RESP. PANEL - Flu PCR - 2.4%, Flu EIA - 3.7%



ACL RESP. PANEL - RSV PCR - 13.4%, RSV EIA - 12.1%



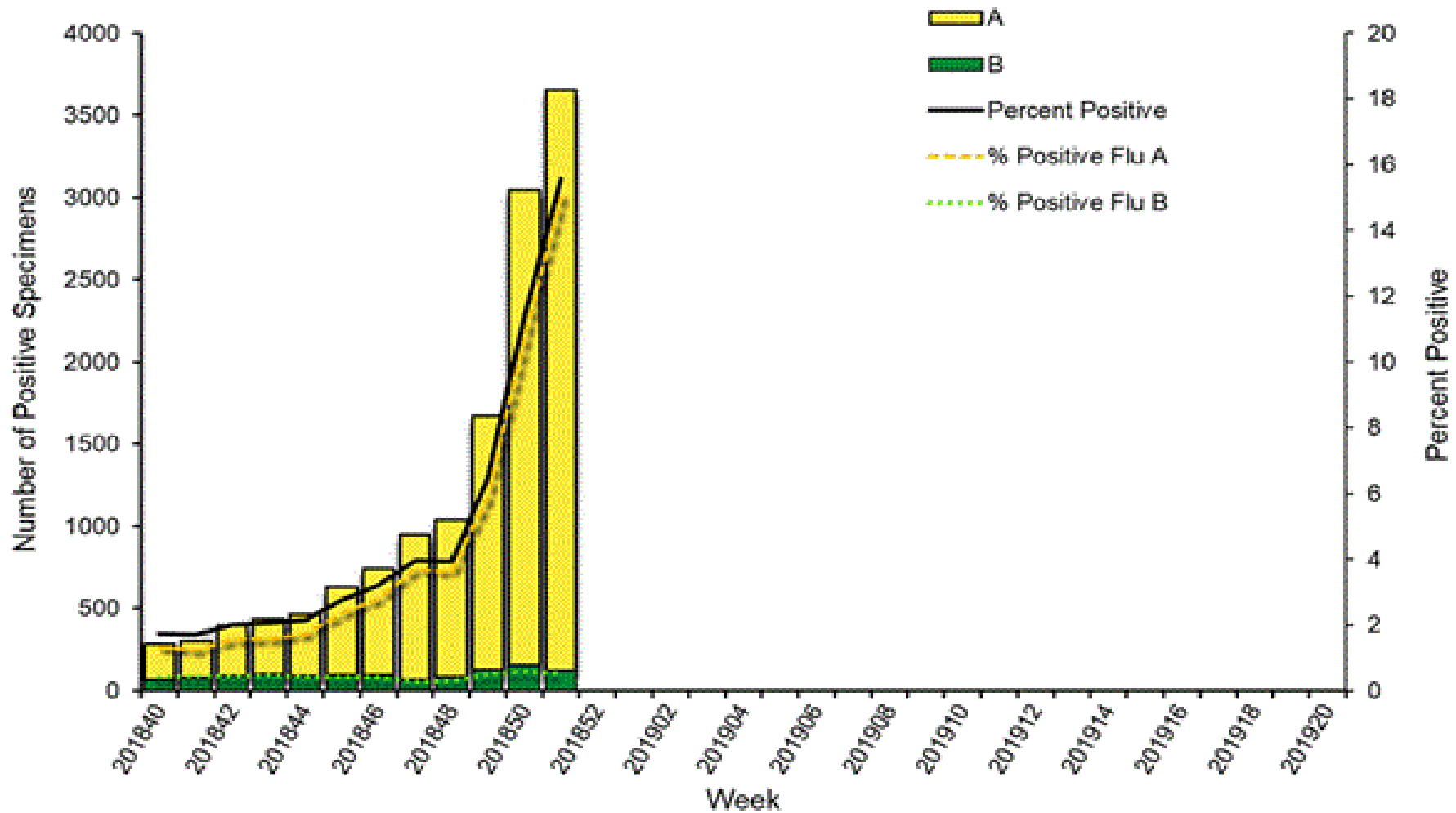
Correlation between RPPNL (FLU PCR) and Sofia (FLUAG) - Accuracy 99.2%

In the last seven weeks 869 samples were tested by both methods most of them negative, 13/16 samples were positive by EIA wen confirmed by PCR. Three negative EIA samples were tested positive by PCR method. (ACL correlation data is compiled on samples collected the same time or within <48 h)

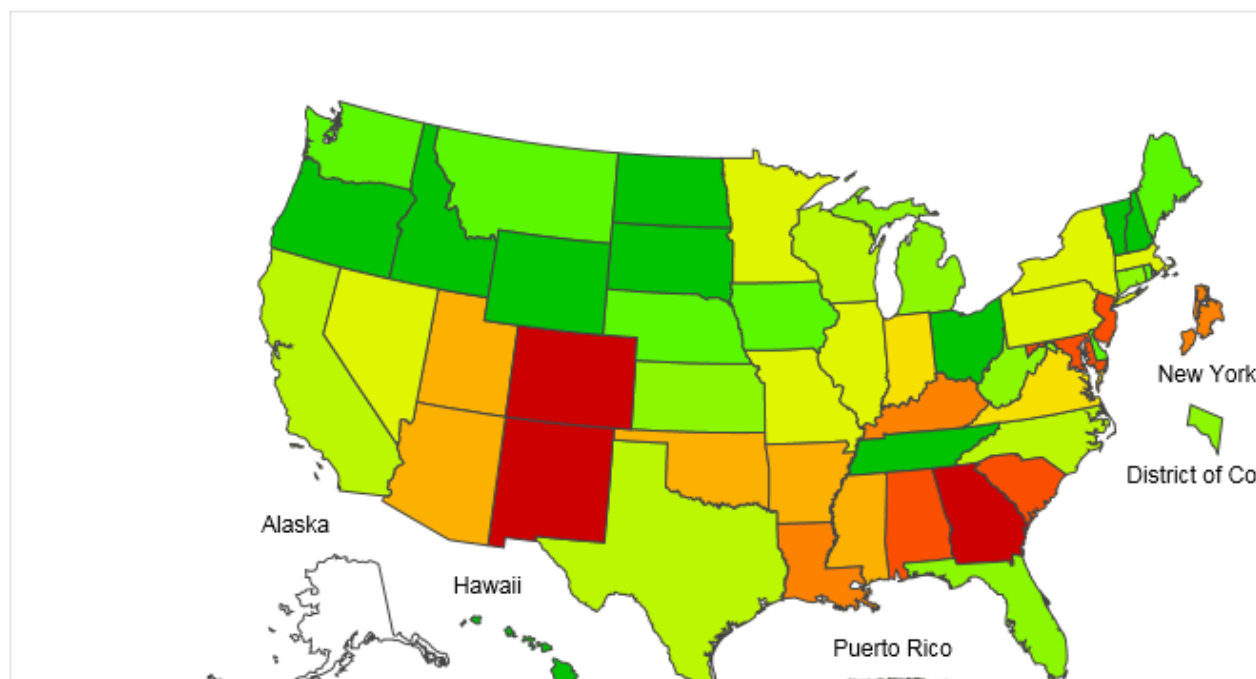
Nov 11 2018 to Dec 28 2018				
FLUAG (Sofia) vs RPPNL (PCR) correlation				
		RPPNL		
		+	-	Total
FluAG	+	13	4	17
	-	3	849	852
		Total		869
%				
81.3	Clinical Sensitivity			
99.5	Clinical Specificity			
76.5	Positive Predictive Value (PPV)			
99.6	Negative Predictive Value (NPV)			
99.2	Accuracy			

Dec 22, 2018 **Positivity rate 15.6%** - Flu A – 97% , Flu B – 3%

Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, 2018-2019 Season



2018-19 Influenza Season Week 51 ending Dec 22, 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.

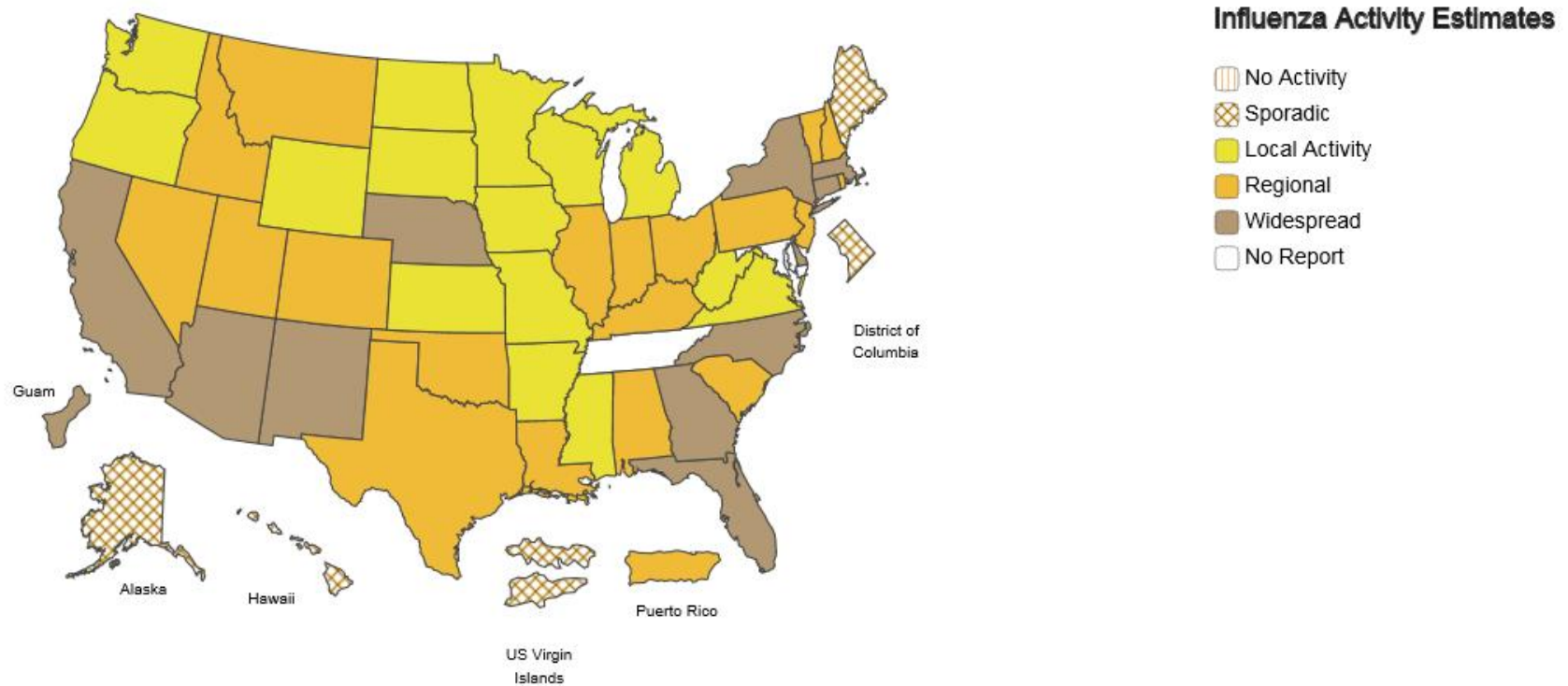
*Differences in the data presented by CDC and state health departments likely represent differing levels of data completeness with data presented by the state likely being the more complete.

*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

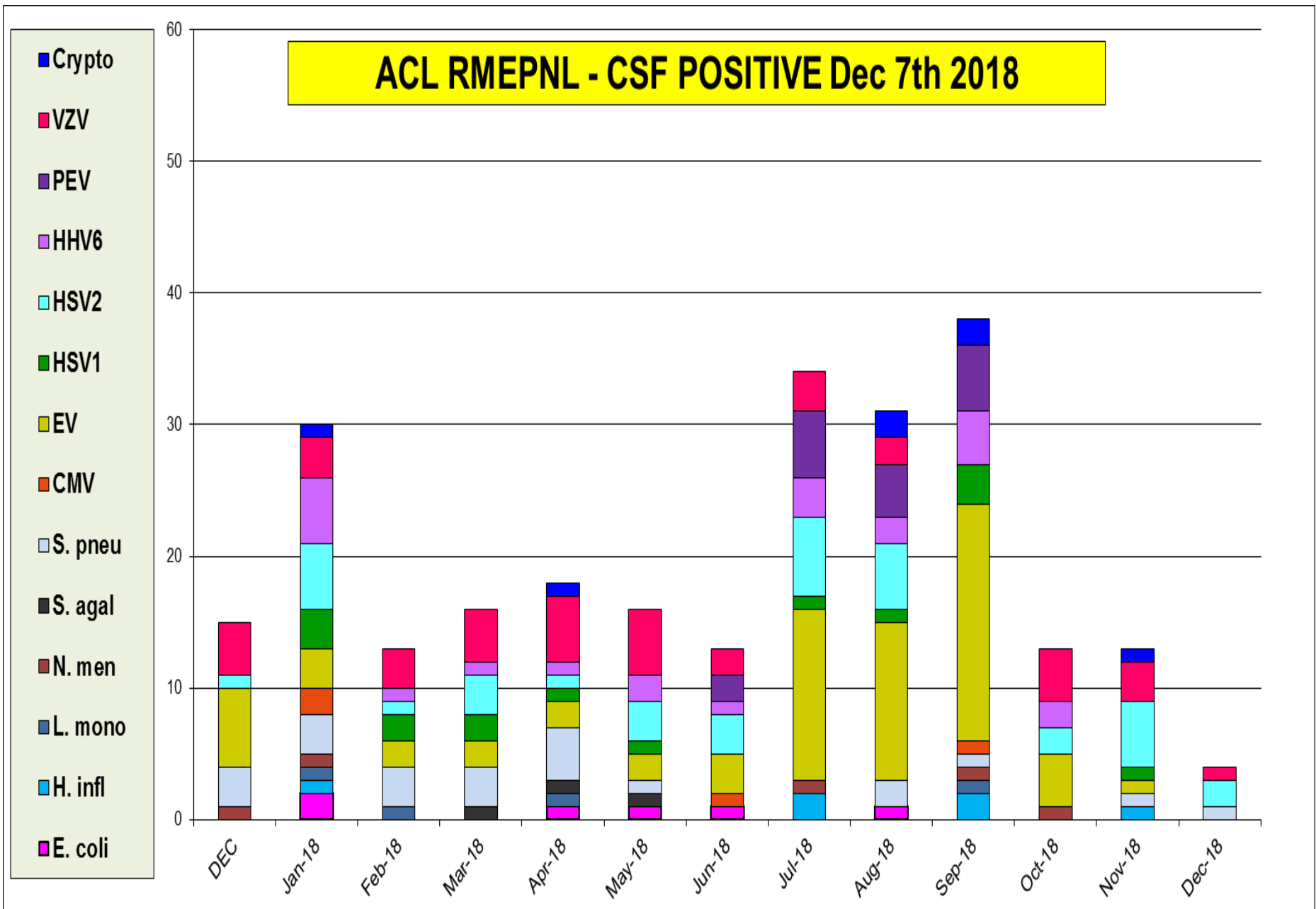
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*

Week Ending Dec 22, 2018 - Week 51

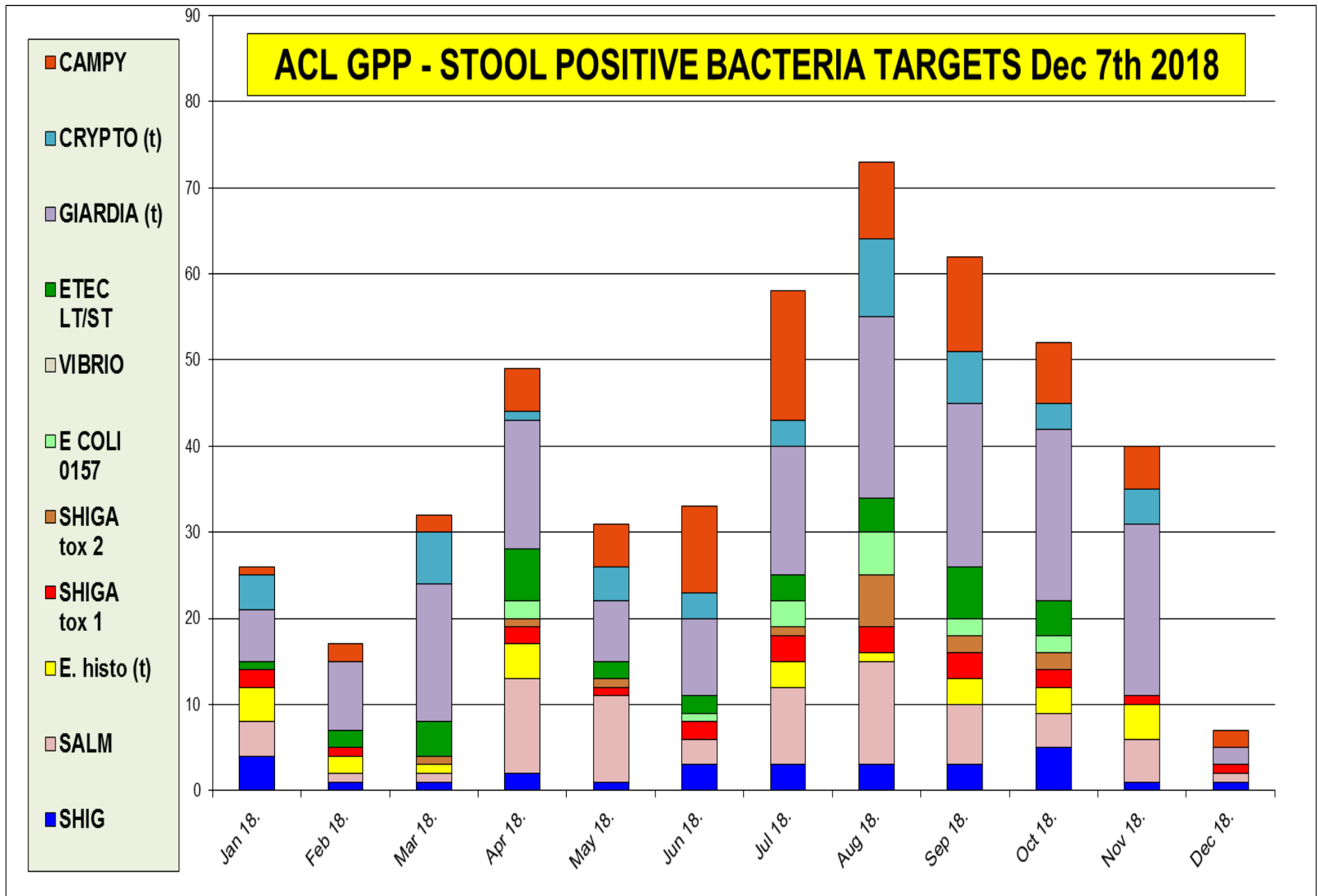


*This map indicates geographic spread and does not measure the severity of influenza activity.

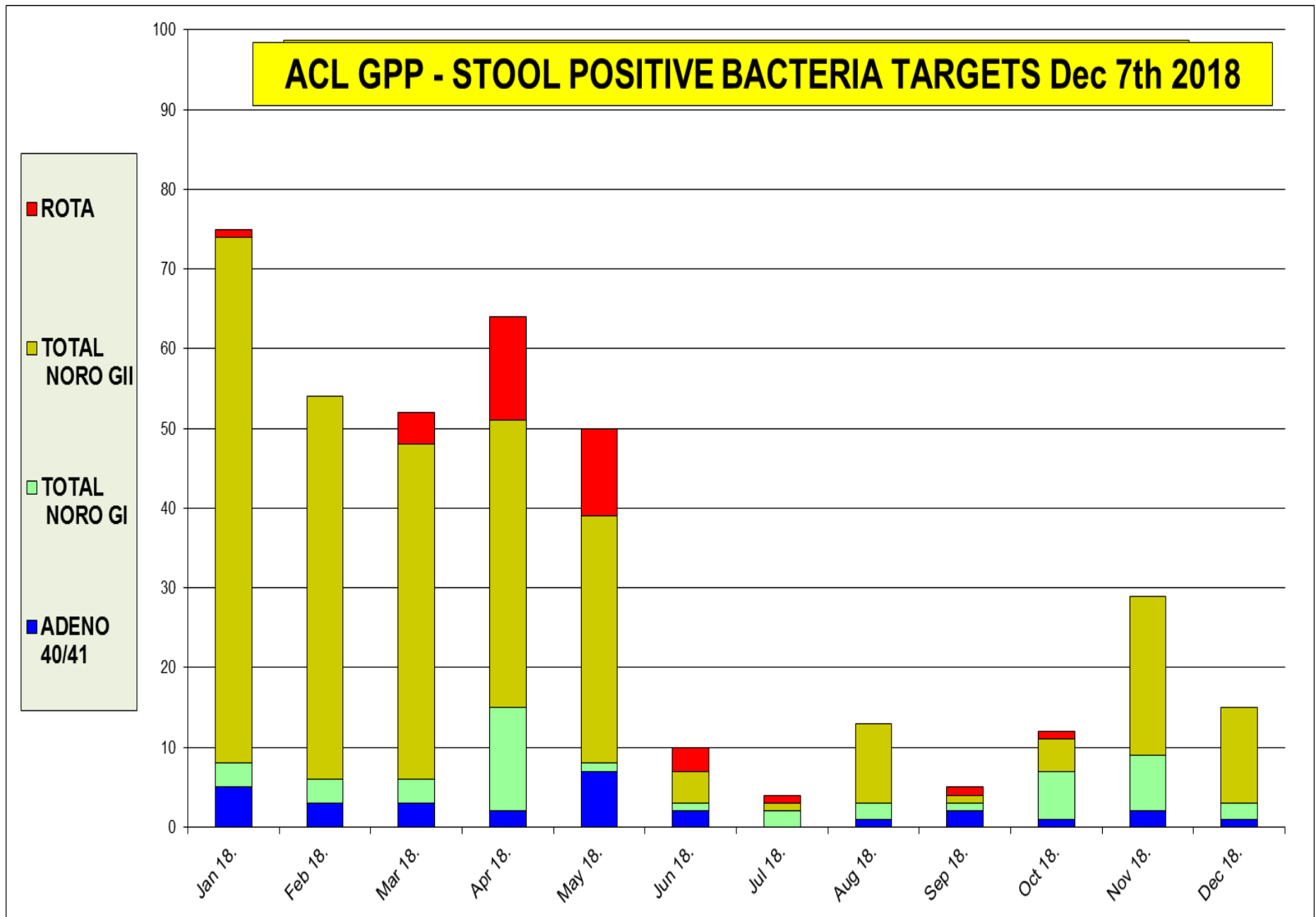
The most prevalent target as Dec 7th was HSV2 – total pos. rate 6.4%



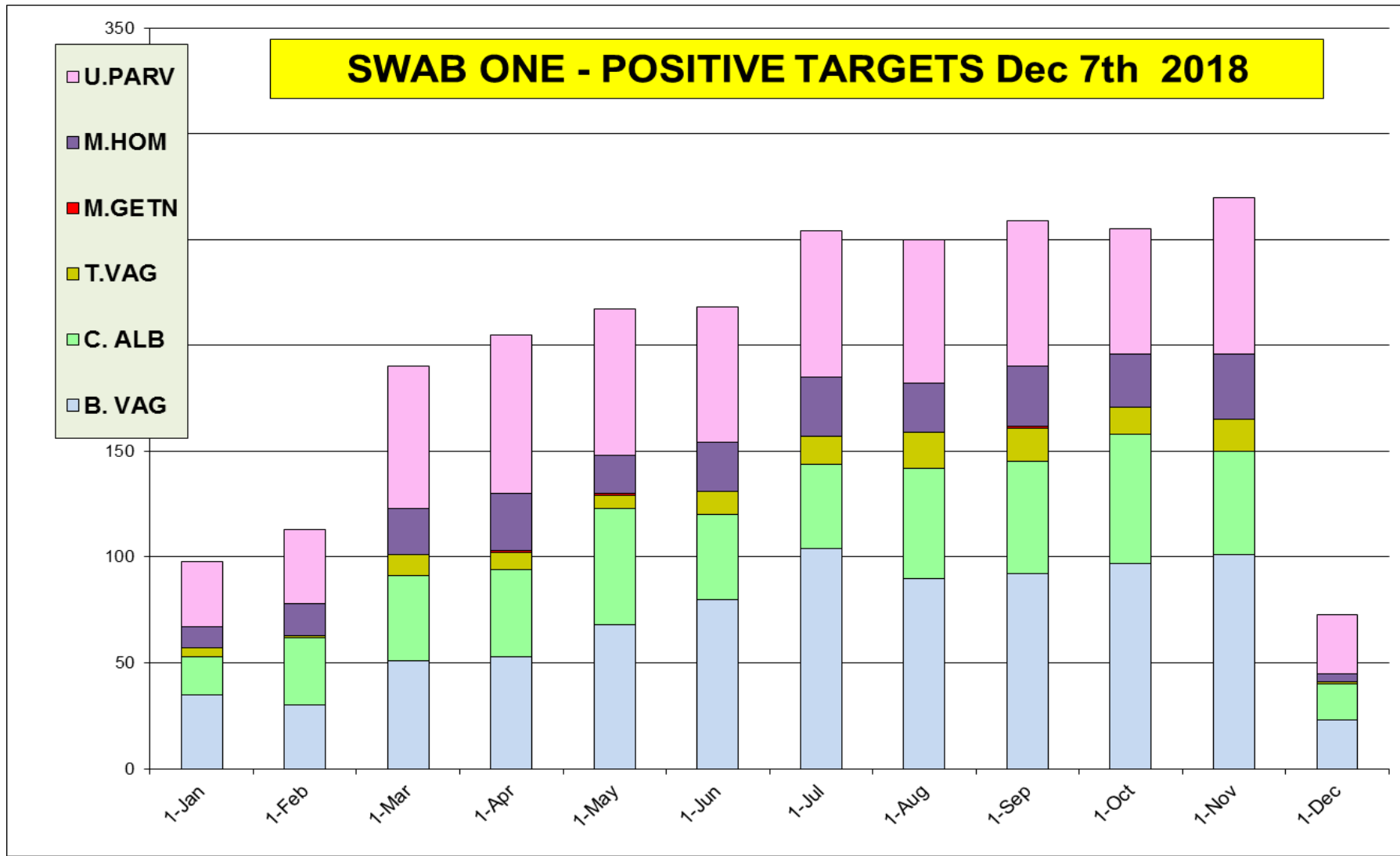
The most prevalent targets as Dec 7th was **Giardia**



The most prevalent target as Dec 7th was Norovirus



	BV-Bacterial vagionosis	Candida albicans	Candida galbrata	Candida kruzei	T. vaginalis	M. genitalium	M. hominis	U. parvum	TOTAL % POS
% pos	21.9	13.2	1.9	0.3	3.1	0.1	6.7	18.8	66.0



Neuraminidase Inhibitors Resistance in Samples Collected – as of Dec 22, 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	168	0	168	0	168	0
Influenza A (H3N2)	71	0	71	0	71	0
Influenza B	30	0	30	0	30	0