



































Absence of information for PRA and regulation











Natio	on-wide l	blueprin	t of Sola	anaceae	viruses	
Potato	Tomato	Capsicum	Eggplant	Nightshade	Ornamental	Mix pool
PVY AMV PhCMoV PnLV PVA	PVY CMV LRNV OLV-1 PhCMoV	CMV PhCMoV PMMV ToMV SpLV	CMV MeCSV MPV OLV-1 OMMV	PVY AMV DMV-like MeCSV SnIV-1	PVY BrLV CDV CMV OIV-1	PVY CMV PLRV ArMV CMoV
PVV	SLRSV	- F	PhCMoV	SVS	PLV	New marafivirus
TRV PVS PLRV ToMV ToCV SnIV-1	SpLV TBRV ToCV ToMV TSWV PepMV		SnIV-1 TBSV SLRSV	CMV	PIVX PVM PVX PYV ToCV ToMV	
	TNV				IRV New carlavirus New dianthovirus	

Nation-wide blueprint of Solanaceae viruses: new species

Potato	Tomato	Capsicum	Eggplant	Nightshade	Ornamental	Mix pool
PVY	PVY	CMV	CMV	PVY	PVY	PVY
AMV	CMV	PhCMoV	MeCSV	AMV	BrLV	CMV
PhCMoV	LRNV	PMMV	MPV	DMV-like	CDV	PLRV
PnLV	OLV-1	ToMV	OLV-1	MeCSV	CMV	ArMV
PVA	PhCMoV	SpLV	OMMV	SnIV-1	OLV-1	CMoV
PVV	SLRSV		PhCMoV	SVS	PLV	New marafivirus
TRV	SpLV		SnIV-1	CMV	PIVX	
PVS	TBRV		TBSV		PVM	
PLRV	ToCV		SLRSV		PVX	
ToMV	ToMV				PYV	
ToCV	TSWV				ToCV	
SnIV-1	PepMV				ToMV	
	OMMV				TRV	
	TNV				New carlavirus	
					New dianthovirus	













SERRATUS	S: <u>www.serratus.io</u> :	PhCoMV case	
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SERRATUS: <u>www.serratus.io</u>: PhCoMV case

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	palmID: Viral-RdRP Analysis	
⑦ Info Sequence, in FASTA format >Enter your sequence (DNA/Protein)	Sequence Submission	
Parsed FASTA: hash: Analyze Sequence Load Example Cover		Plant sample from Polemonium pulcherrimum Martifirm BicSample SAMI/1515380, Sample name. Polemonium pulcherrimum, SRA: SR56830477 Organian Extension audioactive to executive thematicate a transmitter to executive t
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		speecheen voecher Hong Ma L37 BiePhysiest <u>PS3/k6356544</u> Review all assessing from this project Submission <u>Euclarubinding</u> , Galvia Zhang 2020-06-06 Accession: SAMP/15125305 0: 15151350



























3. What's the problem with HTS? nature Contamination ARTICLE OPEN The pollen virome of wild plants and its association Supplementary material with variation in floral traits and land use Andrea M. Fetters^{1,212}, Paul G. Cantalupo^{1,3}, Na Wei^{1,4}, Maria Teresa Sáenz Robles¹, Amber Stanley¹, Jessica D. Stephens^{1,5}, James M. Pipas¹ & Tia-Lynn Ashman_☉ ^{1⊠} No. segments Plant species§ ercent sequent coverage[®] 23.75 - 31.41 17.81 - 32.35* 19.04 - 41.95* NCBI accession nos Virus genus Known virus Region No. alignment 2/3 22 - 29 18 - 30 10 - 53 Aquilegia canadensis Tiarella cordifolia Brome mosaic virus NC_002026.1 NC_002027.1 NC_002028.2 CA EDAFI Bromovirus 3/3 Solidago sp. 3/3 Peanut stun Cucumovirus EDAFI Vernonia gigantea 1/3 31.31 18 NC_002040.1 virus Ageratum latent 22809 - 23257 -NC 022127.1 NC 022128.1 Impatiens capensi 2/3 9.88 - 22.11* 8.86 - 20.02* EDAFI virus Apple mos Lotus corniculatus 3/3 66 - 1122 NC 022129.1 NC_003465.1 NC_003480.1 20.61 - 61.58 35 - 174 CA Packera aurea 2/3 virus 20.81 - 61.58 29.24 - 63.23 42.48 - 96.77 25.49 - 79.52 36.86 - 63.01 13.16 - 71.05* 26.57 - 57.38 48 - 113 470785 - 20653066 188 - 344694 73 - 347 47 - 210 47 - 104 Convolvulus arvens 2/3 3/3 3/3 2/3 Impatiens capensis Lotus corniculatus Oenothera biennis Solidago sp. Vernonia gigantea NC_011553.1 NC_011554.1 NC_011555.2 Blackberry chlorotic ringspot virus EDAFI 3/3 2/3 Parietaria mottle NC 005848.1 NC 005849.1 EDAFI Impatiens capensis 2/3 8.16 - 22.66* 42 - 69875llandinue virus

3. What's the problem wi SCIENTIFIC OPINION ADOPTED: 21 November 2019 doi: 10.2903/j.efsa.2020.5928	th HTS	?	Contami	V ination
Pest categorisation of non-EU viruses of Rubus L.				
EFSA Panel on Plant Health (PLH), Claude Bragard, Katharina Dehmen-Schmutz, Paolo Gonthier, Marie-Agnès Jacques, Josep Anton Jaques Miret, Annemarie Fejer Justesen, Alan MacLeod, Christer Sven Magnusson, Panagiotis Milonas, Juan A Navas-Cortes, Stephen Parnell, Roel Potting, Philippe Lucien Reignault, Hans-Hermann Thulke, Wopke Van der Werf, Antonio Vicent Civera, Jonathan Yuen, Lucia Zappalà, Thierry Candresse, Elisavet Chatzivassiliou, Franco Finelli, Stephan Winter, Domenico Bosco, Michela Chiumenti, Francesco Di Serio, Franco Ferilli,	Table 18.3: Blac	kberry chlorotic ringspot virus	BCRV)	
Tomasz Kaluski, Angelantonio Minafra and Luisa Rubino	Criterion of pest categorisation	Panel's conclusions against criterion in Regulation (EU) 2016/2031 regarding Union quarantine pest	criterion in Regulation (EU) 2016/2031 regarding Union regulated non-quarantine pest	Key uncertainties
	Identity of the pest (section 3.1)	The identity of BCRV is established and diagnostic techniques are available	The identity of BCRV is established and diagnostic techniques are available	Absence of a proven diagnostic protocol
	Absence/presence of the pest in the EU territory (section 3.2)	BCRV has been reported in 1 MS (UK) but its presence is considered restricted	BCRV has been reported in 1 MS (UK) but its presence is considered restricted	More widespread and unreported presence the EU
	Regulatory status (section 3.3)	BCRV can be considered as regulated in Annex IAI as 'Non- European viruses and virus-like organisms of <i>Cydonia</i> Mill., <i>Fragaria</i> L., <i>Malus</i> Mill., <i>Prunus</i> L., <i>Prus</i> L., <i>Ribes</i> L., <i>Rubus</i> L.	BCRV can be considered as regulated in Annex IAI as 'Non- European viruses and virus-like organisms of <i>Cydonia</i> Mill., <i>Fragaria</i> L., <i>Malus</i> Mill., <i>Prunus</i> L., <i>Prus</i> L., <i>Ribes</i> L., <i>Rubus</i> L.	BCRV not explicitly mentioned in Directive 2000/29/EC



Conclusion After a decade of use in plant health research, HTS technologies are progressively transferred to plant health diagnostics; Guidelines have been written by a large panel of experts to facilitate the adoption of HTS technologies and they are now publicly available The expected wider application of HTS technologies by diagnosticians and researchers can impact the current plant health policies and regulation as well as the trade of goods. This impact represents a key challenge but also an opportunity for a future knowledge-driven plant health protection









