

**Table 4.** Summary of trirhviruses identified from plant RNA-seq data available on NCBI, including the reannotation of Picris cytorhabdovirus 1 sequence.

Plant host	Taxa/ family	Virus name/ Abbreviation	Bioproject ID/ Data citation	RNA segment/ Length (nt)	Accession number	Protein ID	Length (aa)	Highest scoring virus- protein/E-value/query coverage%/identity% (Blast P)
Red alder ( <i>Alnus rubra</i> )	<i>Dicot/Betulaceae</i>	Alnus trirhavirus 1/ AITRV1	PRJNA691057/ Bell, C., NCGR, USA,unpublished	RNA1 6699 RNA2 5289      RNA3 4586	BK064247 BK064248      BK064249	L N P2 P3 P4 P5 P6 P7 P8 P11	2043 442 341 201 72 312 260 165 515 289	PiCRV1-L/0.0/99/55 PiCRV1-N/6e-62/78/34.72 PiCRV1-40kDa/2e-148/99/62.28 PiCRV1-21kDa/5e-21/89/29.61 PiCRV1-8kDa/1e-15/100/52.78 PCLSaV-P5/4e-26/53/34.94 no hits no hits no hits no hits
Hardy garden mum ( <i>Chrysanthemum morifolium</i> )	<i>Dicot/Asteraceae</i>	Chrysanthemum trirhavirus 1/ ChTRV1	PRJNA510496/ Shen R, China, unpublished	RNA1 6332 RNA2 4222     RNA3 5133	BK064250 BK064251     BK064252	L N P2 P3 P4 P6 P7 P8 P5	2047 441 348 189 72 265 194 528 354	PiCRV1-L/0.0/99/58.11 PiCRV1-N/8e-73/77/37.29 PiCRV1-40kDa/7e-154/98/63.19 PiCRV1-21kDa/1e-31/90/35.84 PiCRV1-8kDa/3e-13/100/47.22 no hits no hits no hits PCLSaV-P5/1e-25/47/37.43
Sierra Nevada wallflower ( <i>Erysimum nevadense</i> )	<i>Dicot/Brassicaceae</i>	Erysimum trirhavirus1/ EryTRV1	PRJNA473238/ [109]	RNA1 6524 RNA2 3989     RNA3 4307	BK064253 BK064254     BK064255	L N P2 P3 P4 P6 P7 P8 P9	2039 441 346 198 94 316 199 509 143	PiCRV1-L/0.0/99/66.22 PiCRV1-N/4e-111/79/45.98 PiCRV1-40kDa/2e-163/99/63.48 PiCRV1-21kDa/1e-36/85/39.18 PiCRV1-8kDa/3e-22/76/62.5 no hits no hits no hits no hits
Lucerne ( <i>Medicago sativa</i> )	<i>Dicot/Fabaceae</i>	Medicago trirhavirus 1/ MeTRV1	PRJNA667169/ [110] and	RNA1 6495 RNA2 3851	BK064256 BK064257	L N P2	2040 445 343	PiCRV1-L/0.0/99/60.28 PiCRV1-N/2e-113/77/48.47 PiCRV1-40kDa/3e-149/97/60.90

			PRJNA535257/ JGI, USA, unpublished	RNA3 4565	BK064258	P3 P4 P6 P7 P8 P5	183 72 274 189 514 303	PiCRV1-21kDa/2e-26/96/32.78 PiCRV1-8kDa/1e-18/100/62.5 no hits no hits no hits PCLSaV-P5/1e-14/52/33.33
Bristly ox-tongue ( <i>Picris echioides</i> )	Dicot/ <i>Asteraceae</i>	Picris trirhavirus 1/ PiTRV1	PRJNA772045/ [20]	RNA1 6530 RNA2 4091  RNA3 4259	BK064259 BK064269  BK064261	L N P2 P3 P4 P6 P7 P8 P10	2043 495 345 184 72 331 199 505 148	PiCRV1-L/0.0/100/100 PiCRV1-N/0.0/72/100 PiCRV1-40kDa/0.0/100/100 PiCRV1-21kDa/5e-134/100/100 PiCRV1-8kDa/2e-42/100/100 no hits no hits no hits no hits

\* Acronyms of best hits are listed in Supp. Table S1.