SUPPLEMENTAL ONLINE INFORMATION

For publication in conjunction with the following:

Viral dynamics in a high rate algal pond reveals a burst of *Phycodnaviridae* diversity correlated with episodic algal mortality

Chase EE1,2,3, Pitot T4, Bouchard S1, Triplet S5, Przybyla C5, Gobet A5, Desnues C1,2, and Blanc G1.

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**SUPPLEMENTAL FIGURES**

A diagram of a number of different types of data

Description automatically generated with medium confidence

**Figure S3.** Putative polinton-like viruses (PLVs) recovered from HRAP metagenomes (indicated in red). The PLV TsV-N1 is indicated and the green line covers the PLVs that are clustering with it phylogenetically. The phylogeny based on the MCP gene. PLVs used in qPCR tracking are indicated in blue. PLV 8 is excluded due to the sequence dissimilarity relative to the rest of the tracked PLVs. Bootstrap values above 0.70 are displayed. All MCP (excluding those in red) were extracted from public databases (see Chapter 3 for more detailed methods).