

SUPPLEMENTARY TABLES

Supplementary Table 1. Occurrence of variable ORFs observed in the metapopulation of AgMNPV. ORFs conserved in all AgMNPV genomes are not represented below.

ORF	Gene	2D	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	42	43
ORF005	<i>pe38</i>		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
ORF006	<i>pe-38-like-1</i>	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORF007	<i>pe-38-like-2</i>	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORF008	<i>ag8</i>	-	-	+	-	+	-	+	-	-	-	+	-	-	-	-	+	+	+
ORF012	<i>ag12</i>	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	+	-
ORF059	<i>he65</i>	-	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	+	-
ORF060	<i>he65-like-1</i>	+	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	+
ORF061	<i>he65-like-2</i>	+	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	+
ORF139	<i>rnf12-like</i>	-	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+
ORF144	<i>ag144</i>	+	-	-	-	-	-	-	-	-	-	-	+	+	-	-	-	-	-
ORF145	<i>ag145</i>	-	+	+	+	+	+	+	+	+	+	+	-	-	+	+	+	+	+
ORF146	<i>ag146</i>	-	+	+	+	+	+	+	+	+	+	+	-	-	+	+	+	-	+
ORF156	<i>bro-c</i>	+	+	+	+	+	+	+	-	+	+	-	-	+	+	+	+	+	+
ORF157	<i>bro-c1</i>	-	-	-	-	-	-	-	+	-	-	+	+	-	-	-	-	-	-
ORF158	<i>bro-c2</i>	-	-	-	-	-	-	-	+	-	-	+	+	-	-	-	-	-	-
ORF163	<i>bro-a</i>	+	+	-	-	-	-	+	-	-	-	+	-	-	-	-	+	-	+

* Coding sequence observed as a disrupted gene.

Supplementary Table 2. Presence/absence matrix of 11 *homologous regions (hrs)* and 14 *direct repeats (drs)* observed in the metapopulation of AgMNPV. *hrs/drs* highlighted in bold are absent in some AgMNPV genomes. CNVs stand for the total of ‘Copy Number Variants’ found for each repetitive region. Values assigned for *hrs* and *drs* represent the number of core palindromes and repeat units, respectively.

ID	CNVs	2D	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	42	43	
hr1	1	-	-	1 x 30	1 x 30	1 x 30	-	1 x 30	-	-	1 x 30	1 x 30	-	-	-	-	1 x 30	1 x 30	1 x 30	
<i>hr2</i>	1	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30
<i>hr3</i>	4	19 x 30	7 x 30	9 x 30	5 x 30	5 x 30	5 x 30	9 x 30	9 x 30	7 x 30	7 x 30	9 x 30	9 x 30	9 x 30	5 x 30	9 x 30	9 x 30	9 x 30	9 x 30	9 x 30
<i>hr4</i>	1	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30
<i>hr5</i>	1	5 x 30	5 x 30	5 x 30	5 x 30	5 x 30	5 x 30	5 x 30	5 x 30	5 x 30	5 x 30	5 x 30	5 x 30	5 x 30	5 x 30	5 x 30	5 x 30	5 x 30	5 x 30	5 x 30
<i>hr6</i>	1	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30
<i>hr7</i>	1	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30	1 x 30
<i>hr8</i>	1	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30	3 x 30
<i>hr9</i>	2	4 x 30	8 x 30	8 x 30	8 x 30	8 x 30	8 x 30	8 x 30	8 x 30	8 x 30	8 x 30	8 x 30	8 x 30	8 x 30	8 x 30	8 x 30	8 x 30	8 x 30	8 x 30	8 x 30
<i>hr10</i>	2	5 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	5 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30
<i>hr11</i>	2	7 x 30	7 x 30	4 x 30	7 x 30	4 x 30	7 x 30	7 x 30	7 x 30	7 x 30	7 x 30	7 x 30	7 x 30	7 x 30	7 x 30	7 x 30	7 x 30	7 x 30	7 x 30	7 x 30
dr1	2	2 x 15	2 x 15	3 x 15	3 x 15	3 x 15	3 x 15	3 x 15	3 x 15	2 x 15	2 x 15	2 x 15	2 x 15	3 x 15	3 x 15	2 x 15	3 x 15	3 x 15	-	
dr2	2	-	-	3 x 30	2 x 30	3 x 30	2 x 30	3 x 30	3 x 30	-	-	-	-	3 x 30	2 x 30	-	3 x 30	3 x 30	-	
dr3	2	10 x 21	10 x 21	-	-	-	10 x 21	-	10 x 21	4 x 21	-	-	10 x 21	10 x 21	10 x 21	4 x 21	-	-	-	
<i>dr4</i>	6	33 x 14	26 x 14	26 x 14	26 x 14	26 x 14	26 x 14	26 x 14	36 x 14	34 x 14	26 x 14	32 x 14	32 x 14	28 x 14	26 x 14	26 x 14	26 x 14	33 x 14	26 x 14	
<i>dr5</i>	1	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18
<i>dr6</i>	5	3 x 24	11 x 24	13 x 24	9 x 24	9 x 24	9 x 24	11 x 24	12 x 24	11 x 24	13 x 24	11 x 24	11 x 24	13 x 24	9 x 24	12 x 24	12 x 24	13 x 24	11 x 24	
<i>dr7</i>	2	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	4 x 30	3 x 30	4 x 30	4 x 30	4 x 30	
<i>dr8</i>	2	3 x 24	3 x 24	3 x 24	3 x 24	3 x 24	3 x 24	3 x 24	3 x 24	3 x 24	3 x 24	3 x 24	3 x 24	3 x 25	3 x 24	3 x 24	3 x 24	3 x 24	3 x 24	
<i>dr9</i>	2	5 x 24	5 x 24	5 x 24	5 x 24	5 x 24	5 x 24	5 x 24	5 x 24	5 x 24	5 x 24	5 x 24	5 x 24	4 x 24	5 x 24	5 x 24	5 x 24	5 x 24	5 x 24	
<i>dr10</i>	1	2 x 15	2 x 15	2 x 15	2 x 15	2 x 15	2 x 15	2 x 15	2 x 15	2 x 15	2 x 15	2 x 15	2 x 15	2 x 15	2 x 15	2 x 15	2 x 15	2 x 15	2 x 15	
<i>dr11</i>	1	2 x 28	2 x 28	2 x 28	2 x 28	2 x 28	2 x 28	2 x 28	2 x 28	2 x 28	2 x 28	2 x 28	2 x 28	2 x 28	2 x 28	2 x 28	2 x 28	2 x 28	2 x 28	
<i>dr12</i>	1	2 x 21	2 x 21	2 x 21	2 x 21	2 x 21	2 x 21	2 x 21	2 x 21	2 x 21	2 x 21	2 x 21	2 x 21	2 x 21	2 x 21	2 x 21	2 x 21	2 x 21	2 x 21	
dr13	1	-	4 x 15	4 x 15	4 x 15	4 x 15	4 x 15	4 x 15	-	4 x 15	-	4 x 15	4 x 15	-	4 x 15	4 x 15	4 x 15	4 x 15	4 x 15	
dr14	1	2 x 19	-	-	-	-	-	-	-	-	-	-	-	2 x 19	-	-	-	2 x 19	-	