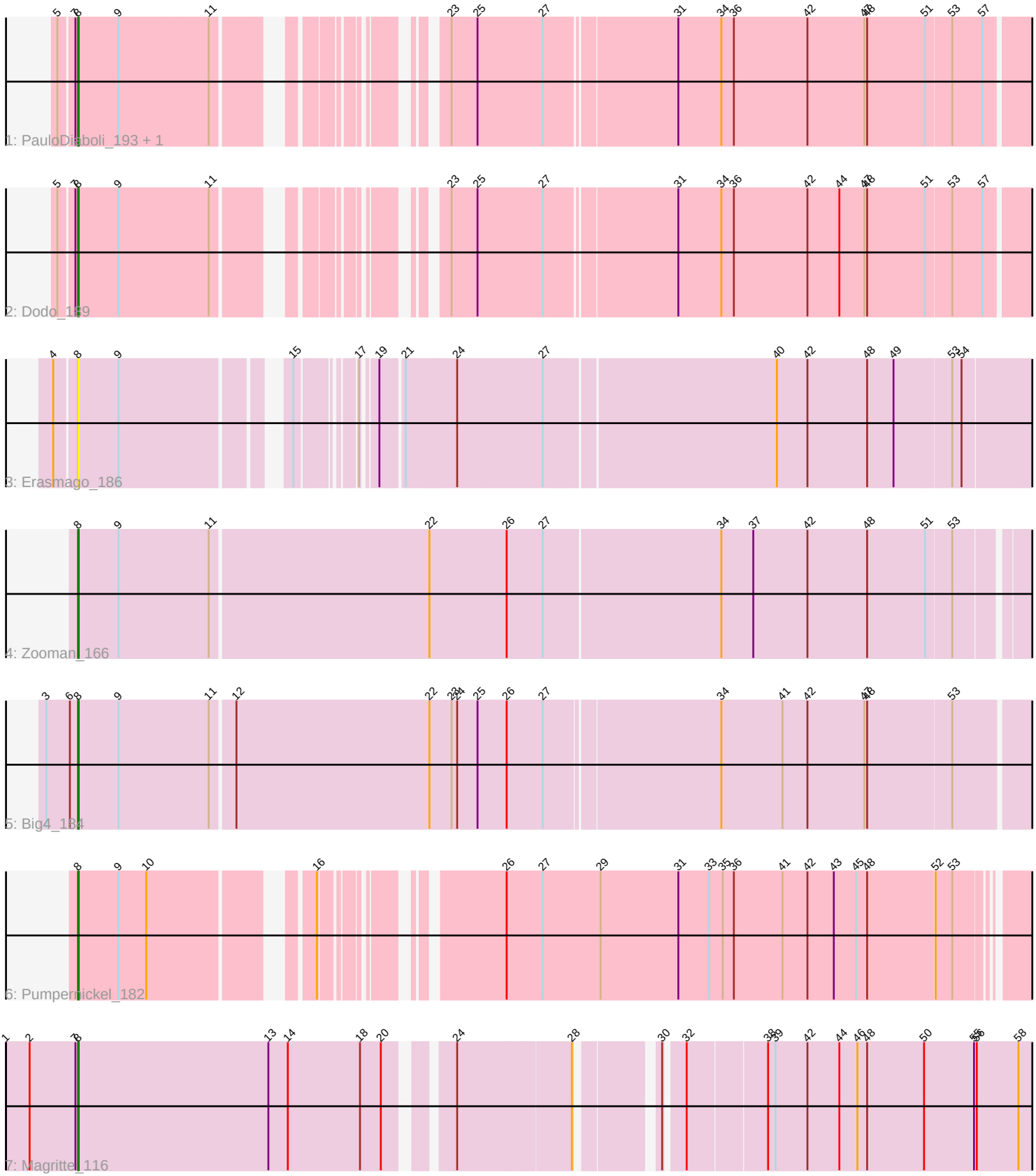
Pham 348332


1: PauloDiaboli_193 + 1
2: Dodo_189
3: Erasmago_186
4: Zooman_166
5: Big4_184
6: Pumpernickel_182
7: Magritte_116

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 348332 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348332 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : PauloDiaboli_193, A3Wally_194
• Track 2 : Dodo_189
• Track 3 : Erasmago_186
• Track 4 : Zooman_166
• Track 5 : Big4_184
• Track 6 : Pumpernickel_182
• Track 7 : Magritte_116

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 8, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• A3Wally_194, Big4_184, Dodo_189, Erasmago_186, Magritte_116, PauloDiaboli_193, Pumpernickel_182, Zooman_166,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 8:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A3Wally_194 (GD1), Big4_184 (GD2), Dodo_189 (GD1), Erasmago_186 (GD2), Magritte_116 (singleton), PauloDiaboli_193 (GD1), Pumpernickel_182 (GD4), Zooman_166 (GD2),

Summary by clusters:

There are 4 clusters represented in this pham: GD1, GD2, GD4, singleton,

Info for manual annotations of cluster GD1:
•Start number 8 was manually annotated 3 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 8 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD4:
•Start number 8 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: A3Wally_194 Start: 104870, Stop: 106711, Start Num: 8
Candidate Starts for A3Wally_194:
(5, 104834), (7, 104864), (Start: 8 @104870 has 7 MA's), (9, 104957), (11, 105143), (23, 105464), (25, 105518), (27, 105656), (31, 105923), (34, 106016), (36, 106043), (42, 106202), (47, 106325), (48, 106331), (51, 106454), (53, 106508), (57, 106568),

Gene: Big4_184 Start: 100592, Stop: 102628, Start Num: 8
Candidate Starts for Big4_184:
(3, 100523), (6, 100574), (Start: 8 @100592 has 7 MA's), (9, 100679), (11, 100865), (12, 100913), (22, 101330), (23, 101378), (24, 101390), (25, 101432), (26, 101492), (27, 101570), (34, 101933), (41, 102065), (42, 102119), (47, 102242), (48, 102248), (53, 102425),

Gene: Dodo_189 Start: 104481, Stop: 106322, Start Num: 8
Candidate Starts for Dodo_189:
(5, 104445), (7, 104475), (Start: 8 @104481 has 7 MA's), (9, 104568), (11, 104754), (23, 105075), (25, 105129), (27, 105267), (31, 105534), (34, 105627), (36, 105654), (42, 105813), (44, 105882), (47, 105936), (48, 105942), (51, 106065), (53, 106119), (57, 106179),

Gene: Erasmago_186 Start: 100817, Stop: 102727, Start Num: 8
Candidate Starts for Erasmago_186:
(4, 100772), (Start: 8 @100817 has 7 MA's), (9, 100904), (15, 101204), (17, 101303), (19, 101327), (21, 101372), (24, 101480), (27, 101660), (40, 102143), (42, 102209), (48, 102338), (49, 102395), (53, 102515), (54, 102533),

Gene: Magritte_116 Start: 73737, Stop: 75686, Start Num: 8
Candidate Starts for Magritte_116:
(1, 73581), (2, 73632), (7, 73731), (Start: 8 @73737 has 7 MA's), (13, 74145), (14, 74187), (18, 74343), (20, 74388), (24, 74493), (28, 74730), (30, 74868), (32, 74904), (38, 75060), (39, 75075), (42, 75144), (44, 75213), (46, 75252), (48, 75273), (50, 75396), (55, 75504), (56, 75510), (58, 75600),

Gene: PauloDiaboli_193 Start: 102916, Stop: 104757, Start Num: 8
Candidate Starts for PauloDiaboli_193:
(5, 102880), (7, 102910), (Start: 8 @102916 has 7 MA's), (9, 103003), (11, 103189), (23, 103510), (25, 103564), (27, 103702), (31, 103969), (34, 104062), (36, 104089), (42, 104248), (47, 104371), (48, 104377), (51, 104500), (53, 104554), (57, 104614),

Gene: Pumpernickel_182 Start: 102595, Stop: 104433, Start Num: 8

Candidate Starts for Pumpernickel_182:
(Start: 8 @102595 has 7 MA's), (9, 102682), (10, 102742), (16, 103027), (26, 103309), (27, 103387), (29, 103510), (31, 103678), (33, 103744), (35, 103774), (36, 103798), (41, 103903), (42, 103957), (43, 104014), (45, 104062), (48, 104086), (52, 104227), (53, 104263),

Gene: Zooman_166 Start: 97329, Stop: 99359, Start Num: 8
Candidate Starts for Zooman_166:
(Start: 8 @97329 has 7 MA's), (9, 97416), (11, 97602), (22, 98067), (26, 98229), (27, 98307), (34, 98679), (37, 98748), (42, 98865), (48, 98994), (51, 99117), (53, 99171),