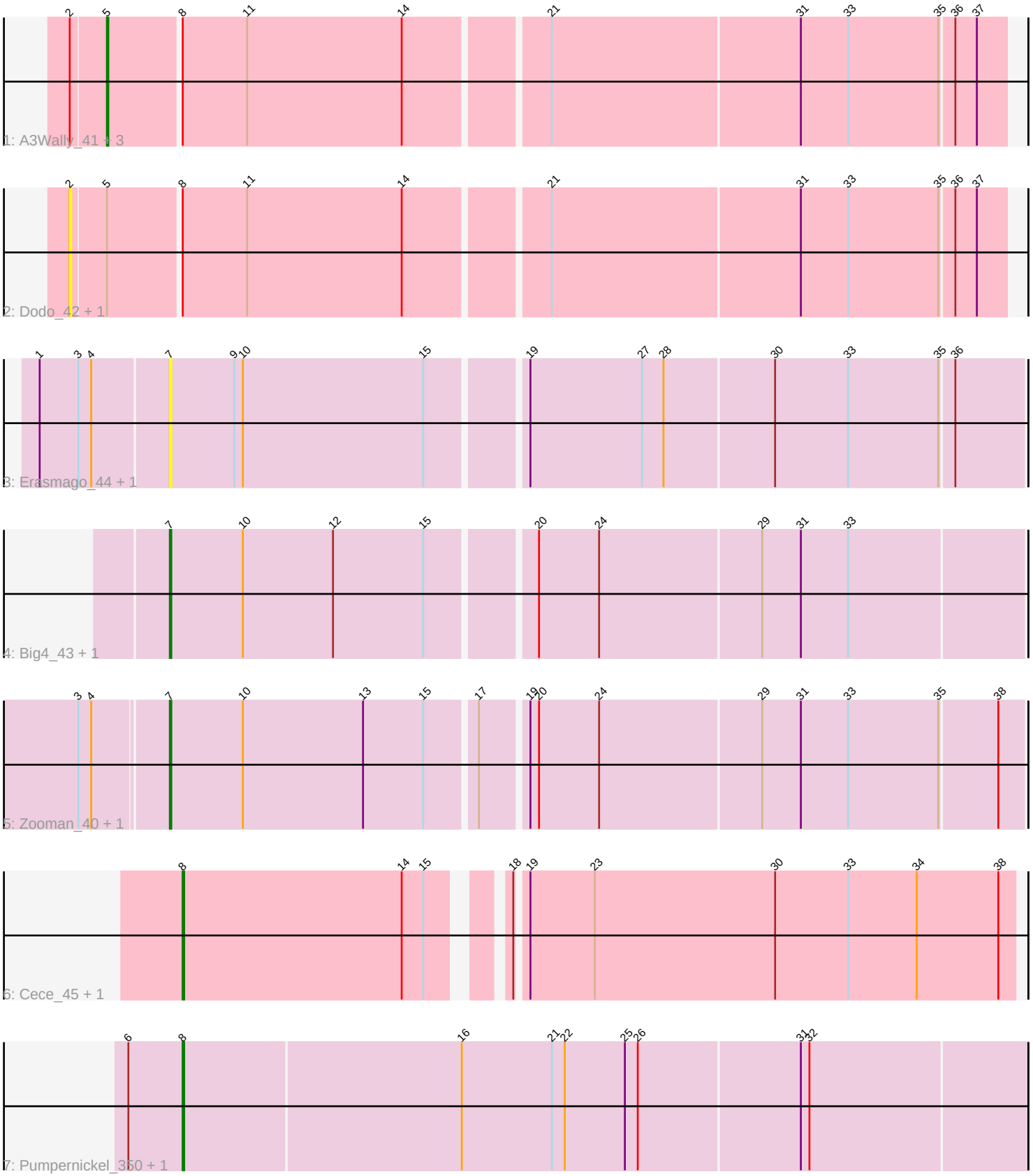
Pham 278675


2
5
8
11
14
21
31
33
35
36
37
1: A3Wally_41 + 3
2
5
8
11
14
21
31
33
35
36
37
2: Dodo_42 + 1
1
3
4
7
9
10
15
19
27
28
30
33
35
36
3: Erasmago_44 + 1
7
10
12
15
20
24
29
31
33
4: Big4_43 + 1
3
4
7
10
13
15
17
19
20
24
29
31
33
35
38
5: Zooman_40 + 1
8
14
15
18
19
23
30
33
34
38
6: Cece_45 + 1
6
8
16
21
22
25
26
31
32
7: Pumpernickel_350 + 1

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 278675 Report

This analysis was run 02/07/26 on database version 634.

Pham number 278675 has 16 members, 4 are drafts.

Phages represented in each track:
• Track 1 : A3Wally_41, PauloDiaboli_41, PauloDiaboli_396, A3Wally_394
• Track 2 : Dodo_42, Dodo_392
• Track 3 : Erasmago_44, Erasmago_382
• Track 4 : Big4_43, Big4_369
• Track 5 : Zooman_40, Zooman_353
• Track 6 : Cece_45, Cece_347
• Track 7 : Pumpernickel_350, Pumpernickel_49

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

The start number called the most often in the published annotations is 5, it was called in 4 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• A3Wally_394, A3Wally_41, PauloDiaboli_396, PauloDiaboli_41,

Genes that have the "Most Annotated" start but do not call it:
• Dodo_392, Dodo_42,

Genes that do not have the "Most Annotated" start:
• Big4_369, Big4_43, Cece_347, Cece_45, Erasmago_382, Erasmago_44, Pumpernickel_350, Pumpernickel_49, Zooman_353, Zooman_40,

Summary by start number:

Start 2:
• Found in 6 of 16 (37.5%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Dodo_392 (GD1), Dodo_42 (GD1),

Start 5:
• Found in 6 of 16 (37.5%) of genes in pham
• Manual Annotations of this start: 4 of 12

• Called 66.7% of time when present
• Phage (with cluster) where this start called: A3Wally_394 (GD1), A3Wally_41 (GD1), PauloDiaboli_396 (GD1), PauloDiaboli_41 (GD1),

Start 7:
• Found in 6 of 16 (37.5%) of genes in pham
• Manual Annotations of this start: 4 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Big4_369 (GD2), Big4_43 (GD2), Erasmago_382 (GD2), Erasmago_44 (GD2), Zooman_353 (GD2), Zooman_40 (GD2),

Start 8:
• Found in 10 of 16 (62.5%) of genes in pham
• Manual Annotations of this start: 4 of 12
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Cece_347 (GD3), Cece_45 (GD3), Pumpernickel_350 (GD4), Pumpernickel_49 (GD4),

Summary by clusters:

There are 4 clusters represented in this pham: GD1, GD2, GD3, GD4,

Info for manual annotations of cluster GD1:
•Start number 5 was manually annotated 4 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 7 was manually annotated 4 times for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 8 was manually annotated 2 times for cluster GD3.

Info for manual annotations of cluster GD4:
•Start number 8 was manually annotated 2 times for cluster GD4.

Gene Information:

Gene: A3Wally_41 Start: 14268, Stop: 14873, Start Num: 5
Candidate Starts for A3Wally_41:
(2, 14244), (Start: 5 @14268 has 4 MA's), (Start: 8 @14316 has 4 MA's), (11, 14361), (14, 14469), (21, 14562), (31, 14733), (33, 14766), (35, 14829), (36, 14838), (37, 14853),

Gene: A3Wally_394 Start: 193489, Stop: 194094, Start Num: 5
Candidate Starts for A3Wally_394:
(2, 193465), (Start: 5 @193489 has 4 MA's), (Start: 8 @193537 has 4 MA's), (11, 193582), (14, 193690), (21, 193783), (31, 193954), (33, 193987), (35, 194050), (36, 194059), (37, 194074),

Gene: Big4_43 Start: 16447, Stop: 17025, Start Num: 7
Candidate Starts for Big4_43:
(Start: 7 @16447 has 4 MA's), (10, 16498), (12, 16561), (15, 16624), (20, 16693), (24, 16735), (29, 16846), (31, 16873), (33, 16906),

Gene: Big4_369 Start: 191141, Stop: 191719, Start Num: 7
Candidate Starts for Big4_369:
(Start: 7 @191141 has 4 MA's), (10, 191192), (12, 191255), (15, 191318), (20, 191387), (24, 191429), (29, 191540), (31, 191567), (33, 191600),

Gene: Cece_45 Start: 16958, Stop: 17509, Start Num: 8
Candidate Starts for Cece_45:
(Start: 8 @16958 has 4 MA's), (14, 17111), (15, 17126), (18, 17165), (19, 17171), (23, 17216), (30, 17342), (33, 17393), (34, 17441), (38, 17498),

Gene: Cece_347 Start: 185392, Stop: 185943, Start Num: 8
Candidate Starts for Cece_347:
(Start: 8 @185392 has 4 MA's), (14, 185545), (15, 185560), (18, 185599), (19, 185605), (23, 185650), (30, 185776), (33, 185827), (34, 185875), (38, 185932),

Gene: Dodo_42 Start: 14091, Stop: 14720, Start Num: 2
Candidate Starts for Dodo_42:
(2, 14091), (Start: 5 @14115 has 4 MA's), (Start: 8 @14163 has 4 MA's), (11, 14208), (14, 14316), (21, 14409), (31, 14580), (33, 14613), (35, 14676), (36, 14685), (37, 14700),

Gene: Dodo_392 Start: 192291, Stop: 192920, Start Num: 2
Candidate Starts for Dodo_392:
(2, 192291), (Start: 5 @192315 has 4 MA's), (Start: 8 @192363 has 4 MA's), (11, 192408), (14, 192516), (21, 192609), (31, 192780), (33, 192813), (35, 192876), (36, 192885), (37, 192900),

Gene: Erasmago_44 Start: 15878, Stop: 16456, Start Num: 7
Candidate Starts for Erasmago_44:
(1, 15791), (3, 15818), (4, 15827), (Start: 7 @15878 has 4 MA's), (9, 15923), (10, 15929), (15, 16055), (19, 16118), (27, 16196), (28, 16211), (30, 16286), (33, 16337), (35, 16400), (36, 16409),

Gene: Erasmago_382 Start: 190387, Stop: 190965, Start Num: 7
Candidate Starts for Erasmago_382:
(1, 190300), (3, 190327), (4, 190336), (Start: 7 @190387 has 4 MA's), (9, 190432), (10, 190438), (15, 190564), (19, 190627), (27, 190705), (28, 190720), (30, 190795), (33, 190846), (35, 190909), (36, 190918),

Gene: PauloDiaboli_41 Start: 14108, Stop: 14713, Start Num: 5
Candidate Starts for PauloDiaboli_41:
(2, 14084), (Start: 5 @14108 has 4 MA's), (Start: 8 @14156 has 4 MA's), (11, 14201), (14, 14309), (21, 14402), (31, 14573), (33, 14606), (35, 14669), (36, 14678), (37, 14693),

Gene: PauloDiaboli_396 Start: 190737, Stop: 191342, Start Num: 5
Candidate Starts for PauloDiaboli_396:
(2, 190713), (Start: 5 @190737 has 4 MA's), (Start: 8 @190785 has 4 MA's), (11, 190830), (14, 190938), (21, 191031), (31, 191202), (33, 191235), (35, 191298), (36, 191307), (37, 191322),

Gene: Pumpernickel_350 Start: 183775, Stop: 184356, Start Num: 8
Candidate Starts for Pumpernickel_350:
(6, 183742), (Start: 8 @183775 has 4 MA's), (16, 183967), (21, 184030), (22, 184039), (25, 184081), (26, 184090), (31, 184201), (32, 184207),

Gene: Pumpernickel_49 Start: 17643, Stop: 18224, Start Num: 8

Candidate Starts for Pumpernickel_49:
(6, 17610), (Start: 8 @17643 has 4 MA's), (16, 17835), (21, 17898), (22, 17907), (25, 17949), (26, 17958), (31, 18069), (32, 18075),

Gene: Zooman_40 Start: 15855, Stop: 16433, Start Num: 7
Candidate Starts for Zooman_40:
(3, 15798), (4, 15807), (Start: 7 @15855 has 4 MA's), (10, 15906), (13, 15990), (15, 16032), (17, 16065), (19, 16095), (20, 16101), (24, 16143), (29, 16254), (31, 16281), (33, 16314), (35, 16377), (38, 16416),

Gene: Zooman_353 Start: 191506, Stop: 192084, Start Num: 7
Candidate Starts for Zooman_353:
(3, 191449), (4, 191458), (Start: 7 @191506 has 4 MA's), (10, 191557), (13, 191641), (15, 191683), (17, 191716), (19, 191746), (20, 191752), (24, 191794), (29, 191905), (31, 191932), (33, 191965), (35, 192028), (38, 192067),