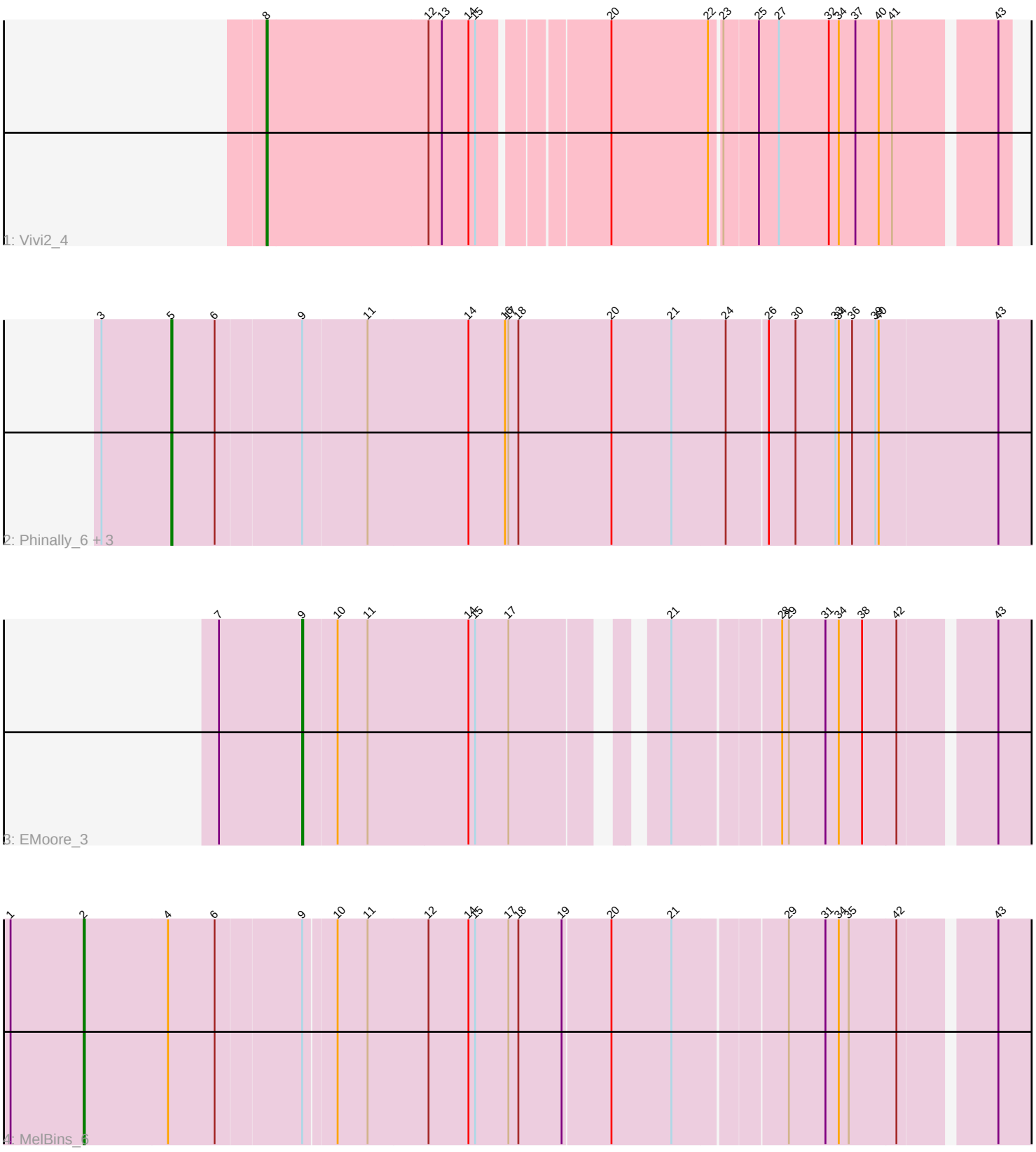
Pham 344741



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 344741 Report

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

Pham number 344741 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Vivi2_4
• Track 2 : Phinally_6, Leonard_6, Ali17_4, Inspectinfecti_7
• Track 3 : EMoore_3
• Track 4 : MelBins_6

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 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ali17_4, Inspectinfecti_7, Leonard_6, Phinally_6,

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

Genes that do not have the "Most Annotated" start:
• EMoore_3, MelBins_6, Vivi2_4,

Summary by start number:

Start 2:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MelBins_6 (DE2),

Start 5:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ali17_4 (DE2), Inspectinfecti_7 (DE2), Leonard_6 (DE2), Phinally_6 (DE2),

Start 8:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Vivi2_4 (DE1),

Start 9:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 16.7% of time when present
• Phage (with cluster) where this start called: EMoore_3 (DE2),

Summary by clusters:

There are 2 clusters represented in this pham: DE1, DE2,

Info for manual annotations of cluster DE1:
•Start number 8 was manually annotated 1 time for cluster DE1.

Info for manual annotations of cluster DE2:
•Start number 2 was manually annotated 1 time for cluster DE2.
•Start number 5 was manually annotated 4 times for cluster DE2.
•Start number 9 was manually annotated 1 time for cluster DE2.

Gene Information:

Gene: Ali17_4 Start: 3695, Stop: 4480, Start Num: 5
Candidate Starts for Ali17_4:
(3, 3632), (Start: 5 @3695 has 4 MA's), (6, 3734), (Start: 9 @3809 has 1 MA's), (11, 3866), (14, 3956), (16, 3989), (17, 3992), (18, 4001), (20, 4085), (21, 4139), (24, 4187), (26, 4223), (30, 4247), (33, 4283), (34, 4286), (36, 4298), (39, 4319), (40, 4322), (43, 4427),

Gene: EMoore_3 Start: 2707, Stop: 3321, Start Num: 9
Candidate Starts for EMoore_3:
(7, 2632), (Start: 9 @2707 has 1 MA's), (10, 2737), (11, 2764), (14, 2854), (15, 2860), (17, 2890), (21, 2998), (28, 3088), (29, 3094), (31, 3127), (34, 3139), (38, 3160), (42, 3190), (43, 3268),

Gene: Inspectinfecti_7 Start: 4752, Stop: 5537, Start Num: 5
Candidate Starts for Inspectinfecti_7:
(3, 4689), (Start: 5 @4752 has 4 MA's), (6, 4791), (Start: 9 @4866 has 1 MA's), (11, 4923), (14, 5013), (16, 5046), (17, 5049), (18, 5058), (20, 5142), (21, 5196), (24, 5244), (26, 5280), (30, 5304), (33, 5340), (34, 5343), (36, 5355), (39, 5376), (40, 5379), (43, 5484),

Gene: Leonard_6 Start: 4347, Stop: 5132, Start Num: 5
Candidate Starts for Leonard_6:
(3, 4284), (Start: 5 @4347 has 4 MA's), (6, 4386), (Start: 9 @4461 has 1 MA's), (11, 4518), (14, 4608), (16, 4641), (17, 4644), (18, 4653), (20, 4737), (21, 4791), (24, 4839), (26, 4875), (30, 4899), (33, 4935), (34, 4938), (36, 4950), (39, 4971), (40, 4974), (43, 5079),

Gene: MelBins_6 Start: 4279, Stop: 5118, Start Num: 2
Candidate Starts for MelBins_6:

(1, 4213), (Start: 2 @4279 has 1 MA's), (4, 4354), (6, 4396), (Start: 9 @4471 has 1 MA's), (10, 4498), (11, 4525), (12, 4579), (14, 4615), (15, 4621), (17, 4651), (18, 4660), (19, 4699), (20, 4741), (21, 4795), (29, 4891), (31, 4924), (34, 4936), (35, 4945), (42, 4987), (43, 5065),

Gene: Phinally_6 Start: 4344, Stop: 5129, Start Num: 5
Candidate Starts for Phinally_6:
(3, 4281), (Start: 5 @4344 has 4 MA's), (6, 4383), (Start: 9 @4458 has 1 MA's), (11, 4515), (14, 4605), (16, 4638), (17, 4641), (18, 4650), (20, 4734), (21, 4788), (24, 4836), (26, 4872), (30, 4896), (33, 4932), (34, 4935), (36, 4947), (39, 4968), (40, 4971), (43, 5076),

Gene: Vivi2_4 Start: 3242, Stop: 3874, Start Num: 8
Candidate Starts for Vivi2_4:
(Start: 8 @3242 has 1 MA's), (12, 3386), (13, 3398), (14, 3422), (15, 3428), (20, 3533), (22, 3620), (23, 3629), (25, 3659), (27, 3677), (32, 3722), (34, 3731), (37, 3746), (40, 3767), (41, 3779), (43, 3863),