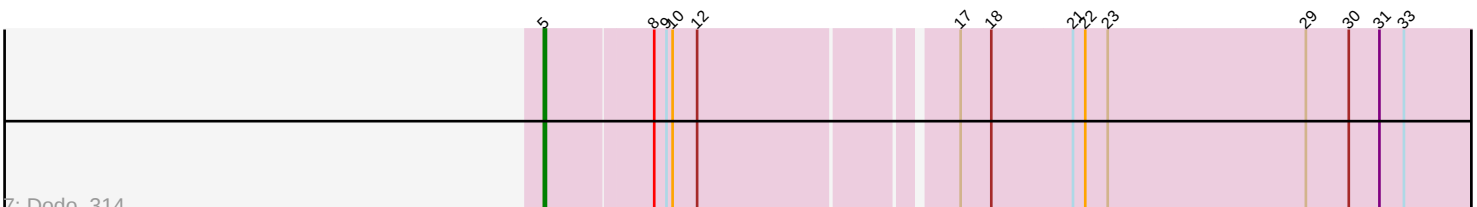
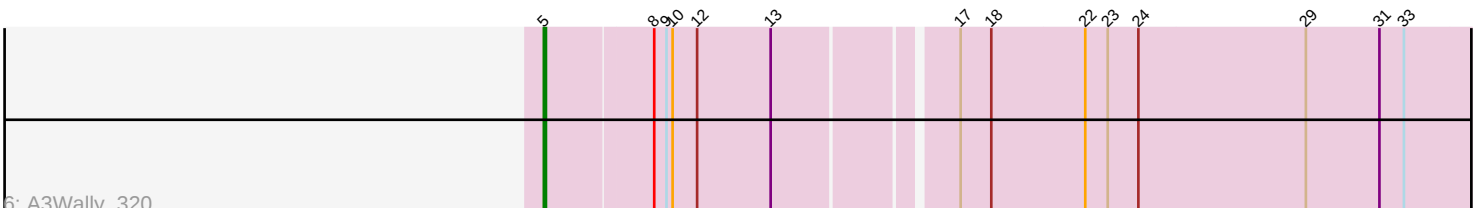
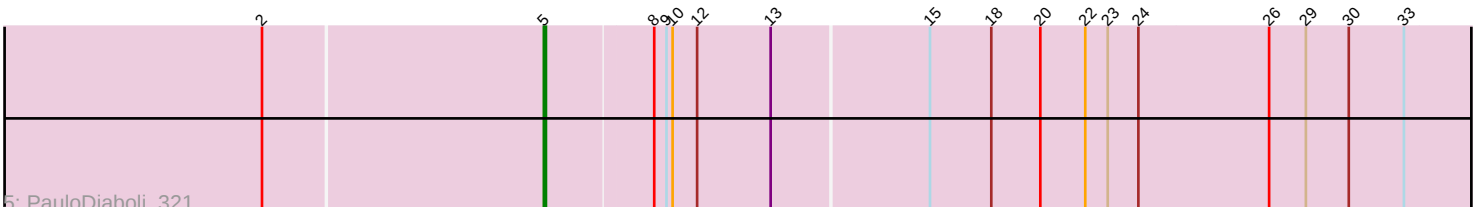
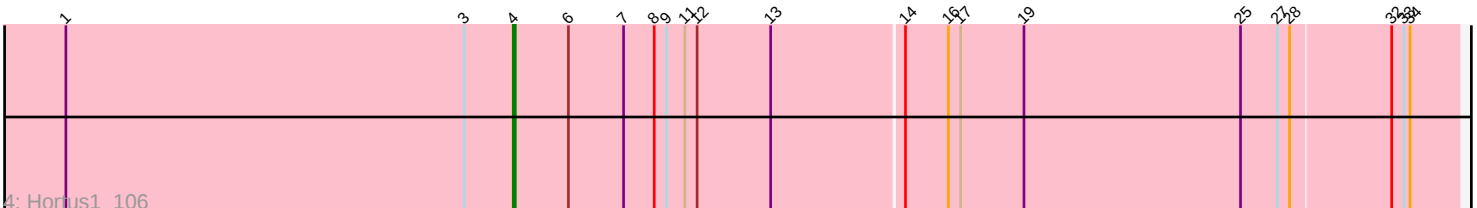
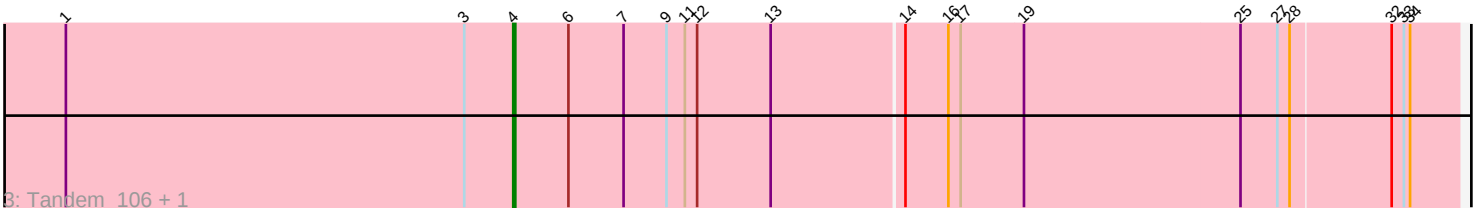
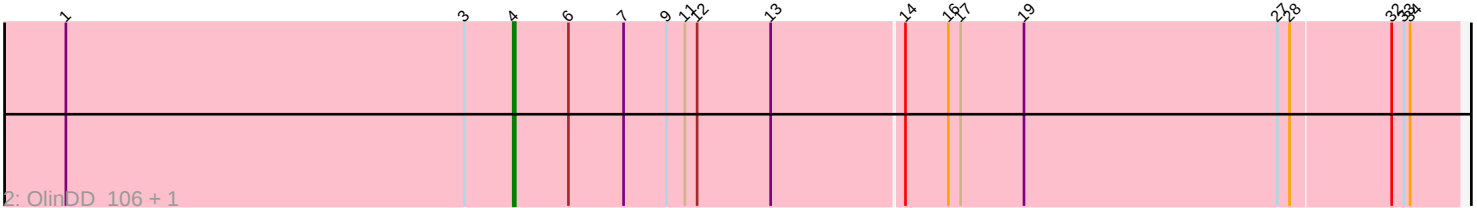
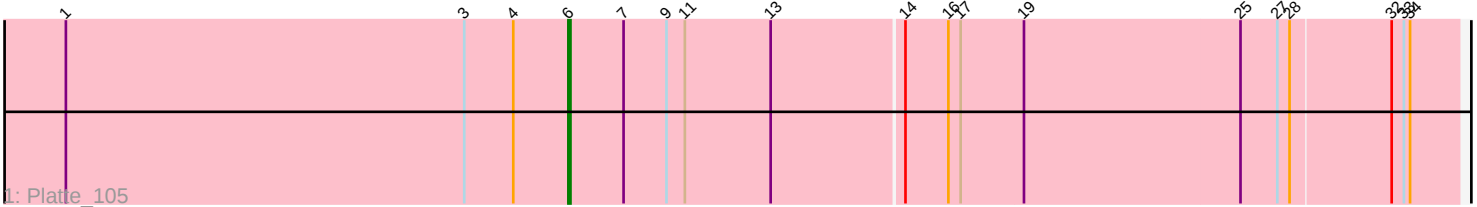


Pham 329707



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 329707 Report

This analysis was run 09/05/26 on database version 662.

Pham number 329707 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Platte_105
- Track 2 : OlinDD_106, Pioneer3_106
- Track 3 : Tandem_106, Alleb_102
- Track 4 : Hortus1_106
- Track 5 : PauloDiaboli_321
- Track 6 : A3Wally_320
- Track 7 : Dodo_314

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

The start number called the most often in the published annotations is 4, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alleb_102, Hortus1_106, OlinDD_106, Pioneer3_106, Tandem_106,

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

- Platte_105,

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

- A3Wally_320, Dodo_314, PauloDiaboli_321,

Summary by start number:

Start 4:

- Found in 6 of 9 (66.7%) of genes in pham
- Manual Annotations of this start: 5 of 9
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Alleb_102 (ED1), Hortus1_106 (ED1), OlinDD_106 (ED1), Pioneer3_106 (ED1), Tandem_106 (ED1),

Start 5:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 3 of 9

- Called 100.0% of time when present
- Phage (with cluster) where this start called: A3Wally_320 (GD1), Dodo_314 (GD1), PauloDiaboli_321 (GD1),

Start 6:

- Found in 6 of 9 (66.7%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Platte_105 (ED1),

Summary by clusters:

There are 2 clusters represented in this pham: GD1, ED1,

Info for manual annotations of cluster ED1:

- Start number 4 was manually annotated 5 times for cluster ED1.
- Start number 6 was manually annotated 1 time for cluster ED1.

Info for manual annotations of cluster GD1:

- Start number 5 was manually annotated 3 times for cluster GD1.

Gene Information:

Gene: A3Wally_320 Start: 169194, Stop: 169643, Start Num: 5

Candidate Starts for A3Wally_320:

(Start: 5 @169194 has 3 MA's), (8, 169245), (9, 169251), (10, 169254), (12, 169266), (13, 169302), (17, 169383), (18, 169398), (22, 169443), (23, 169452), (24, 169467), (29, 169548), (31, 169584), (33, 169596),

Gene: Alleb_102 Start: 57144, Stop: 56689, Start Num: 4

Candidate Starts for Alleb_102:

(1, 57363), (3, 57168), (Start: 4 @57144 has 5 MA's), (Start: 6 @57117 has 1 MA's), (7, 57090), (9, 57069), (11, 57060), (12, 57054), (13, 57018), (14, 56955), (16, 56934), (17, 56928), (19, 56898), (25, 56793), (27, 56775), (28, 56769), (32, 56721), (33, 56715), (34, 56712),

Gene: Dodo_314 Start: 168587, Stop: 169036, Start Num: 5

Candidate Starts for Dodo_314:

(Start: 5 @168587 has 3 MA's), (8, 168638), (9, 168644), (10, 168647), (12, 168659), (17, 168776), (18, 168791), (21, 168830), (22, 168836), (23, 168845), (29, 168941), (30, 168962), (31, 168977), (33, 168989),

Gene: Hortus1_106 Start: 57900, Stop: 57445, Start Num: 4

Candidate Starts for Hortus1_106:

(1, 58119), (3, 57924), (Start: 4 @57900 has 5 MA's), (Start: 6 @57873 has 1 MA's), (7, 57846), (8, 57831), (9, 57825), (11, 57816), (12, 57810), (13, 57774), (14, 57711), (16, 57690), (17, 57684), (19, 57654), (25, 57549), (27, 57531), (28, 57525), (32, 57477), (33, 57471), (34, 57468),

Gene: OlinDD_106 Start: 57905, Stop: 57450, Start Num: 4

Candidate Starts for OlinDD_106:

(1, 58124), (3, 57929), (Start: 4 @57905 has 5 MA's), (Start: 6 @57878 has 1 MA's), (7, 57851), (9, 57830), (11, 57821), (12, 57815), (13, 57779), (14, 57716), (16, 57695), (17, 57689), (19, 57659), (27,

57536), (28, 57530), (32, 57482), (33, 57476), (34, 57473),

Gene: PauloDiaboli_321 Start: 166701, Stop: 167156, Start Num: 5

Candidate Starts for PauloDiaboli_321:

(2, 166566), (Start: 5 @166701 has 3 MA's), (8, 166752), (9, 166758), (10, 166761), (12, 166773), (13, 166809), (15, 166884), (18, 166914), (20, 166938), (22, 166959), (23, 166968), (24, 166983), (26, 167046), (29, 167064), (30, 167085), (33, 167112),

Gene: Pioneer3_106 Start: 57703, Stop: 57248, Start Num: 4

Candidate Starts for Pioneer3_106:

(1, 57922), (3, 57727), (Start: 4 @57703 has 5 MA's), (Start: 6 @57676 has 1 MA's), (7, 57649), (9, 57628), (11, 57619), (12, 57613), (13, 57577), (14, 57514), (16, 57493), (17, 57487), (19, 57457), (27, 57334), (28, 57328), (32, 57280), (33, 57274), (34, 57271),

Gene: Platte_105 Start: 57460, Stop: 57032, Start Num: 6

Candidate Starts for Platte_105:

(1, 57706), (3, 57511), (Start: 4 @57487 has 5 MA's), (Start: 6 @57460 has 1 MA's), (7, 57433), (9, 57412), (11, 57403), (13, 57361), (14, 57298), (16, 57277), (17, 57271), (19, 57241), (25, 57136), (27, 57118), (28, 57112), (32, 57064), (33, 57058), (34, 57055),

Gene: Tandem_106 Start: 57783, Stop: 57328, Start Num: 4

Candidate Starts for Tandem_106:

(1, 58002), (3, 57807), (Start: 4 @57783 has 5 MA's), (Start: 6 @57756 has 1 MA's), (7, 57729), (9, 57708), (11, 57699), (12, 57693), (13, 57657), (14, 57594), (16, 57573), (17, 57567), (19, 57537), (25, 57432), (27, 57414), (28, 57408), (32, 57360), (33, 57354), (34, 57351),