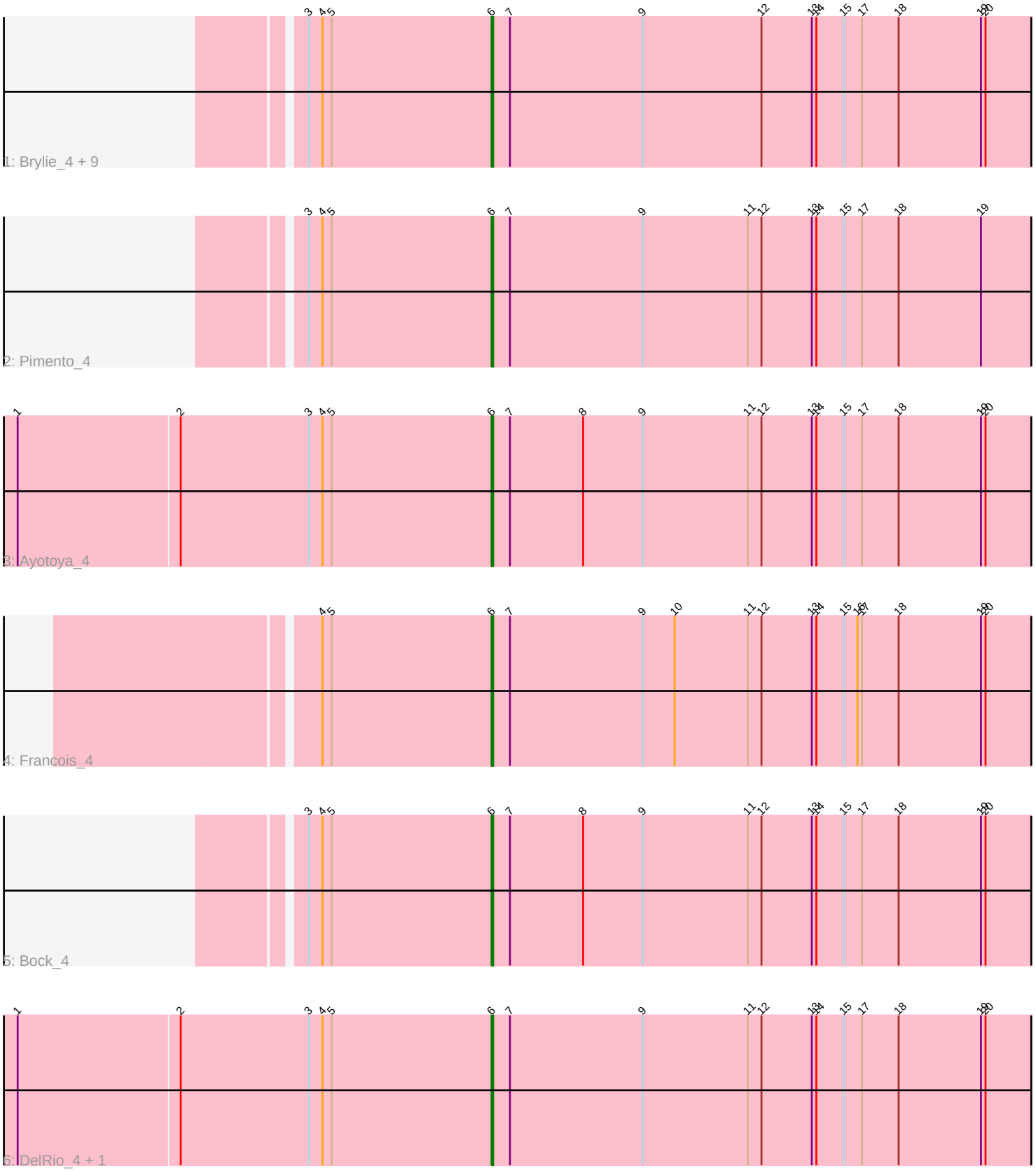
Pham 348124


1: Brylie_4 + 9
2: Pimento_4
3: Ayotoya_4
4: Francois_4
5: Bock_4
6: DelRio_4 + 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 348124 Report

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

Pham number 348124 has 16 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Brylie_4, NancyRae_4, Chop_4, Hamood_4, GrandSlam_4, WheatThin_4, SussRoloMann_4, Nadeem_4, Mulch_4, Parada_4
• Track 2 : Pimento_4
• Track 3 : Ayotoya_4
• Track 4 : Francois_4
• Track 5 : Bock_4
• Track 6 : DelRio_4, BetterKatz_4

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

The start number called the most often in the published annotations is 6, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ayotoya_4, BetterKatz_4, Bock_4, Brylie_4, Chop_4, DelRio_4, Francois_4, GrandSlam_4, Hamood_4, Mulch_4, Nadeem_4, NancyRae_4, Parada_4, Pimento_4, SussRoloMann_4, WheatThin_4,

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 6:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ayotoya_4 (DI), BetterKatz_4 (DI), Bock_4 (DI), Brylie_4 (DI), Chop_4 (DI), DelRio_4 (DI), Francois_4 (DI), GrandSlam_4 (DI), Hamood_4 (DI), Mulch_4 (DI), Nadeem_4 (DI), NancyRae_4 (DI), Parada_4 (DI), Pimento_4 (DI), SussRoloMann_4 (DI), WheatThin_4 (DI),

Summary by clusters:

There is one cluster represented in this pham: DI

Info for manual annotations of cluster DI:
•Start number 6 was manually annotated 15 times for cluster DI.

Gene Information:

Gene: Ayotoya_4 Start: 1318, Stop: 1749, Start Num: 6
Candidate Starts for Ayotoya_4:
(1, 1009), (2, 1114), (3, 1198), (4, 1207), (5, 1213), (Start: 6 @1318 has 15 MA's), (7, 1330), (8, 1378), (9, 1417), (11, 1486), (12, 1495), (13, 1528), (14, 1531), (15, 1549), (17, 1561), (18, 1585), (19, 1639), (20, 1642),

Gene: BetterKatz_4 Start: 1319, Stop: 1750, Start Num: 6
Candidate Starts for BetterKatz_4:
(1, 1010), (2, 1115), (3, 1199), (4, 1208), (5, 1214), (Start: 6 @1319 has 15 MA's), (7, 1331), (9, 1418), (11, 1487), (12, 1496), (13, 1529), (14, 1532), (15, 1550), (17, 1562), (18, 1586), (19, 1640), (20, 1643),

Gene: Bock_4 Start: 1066, Stop: 1497, Start Num: 6
Candidate Starts for Bock_4:
(3, 946), (4, 955), (5, 961), (Start: 6 @1066 has 15 MA's), (7, 1078), (8, 1126), (9, 1165), (11, 1234), (12, 1243), (13, 1276), (14, 1279), (15, 1297), (17, 1309), (18, 1333), (19, 1387), (20, 1390),

Gene: Brylie_4 Start: 1066, Stop: 1497, Start Num: 6
Candidate Starts for Brylie_4:
(3, 946), (4, 955), (5, 961), (Start: 6 @1066 has 15 MA's), (7, 1078), (9, 1165), (12, 1243), (13, 1276), (14, 1279), (15, 1297), (17, 1309), (18, 1333), (19, 1387), (20, 1390),

Gene: Chop_4 Start: 1066, Stop: 1497, Start Num: 6
Candidate Starts for Chop_4:
(3, 946), (4, 955), (5, 961), (Start: 6 @1066 has 15 MA's), (7, 1078), (9, 1165), (12, 1243), (13, 1276), (14, 1279), (15, 1297), (17, 1309), (18, 1333), (19, 1387), (20, 1390),

Gene: DelRio_4 Start: 1318, Stop: 1749, Start Num: 6
Candidate Starts for DelRio_4:
(1, 1009), (2, 1114), (3, 1198), (4, 1207), (5, 1213), (Start: 6 @1318 has 15 MA's), (7, 1330), (9, 1417), (11, 1486), (12, 1495), (13, 1528), (14, 1531), (15, 1549), (17, 1561), (18, 1585), (19, 1639), (20, 1642),

Gene: Francois_4 Start: 1068, Stop: 1499, Start Num: 6
Candidate Starts for Francois_4:
(4, 957), (5, 963), (Start: 6 @1068 has 15 MA's), (7, 1080), (9, 1167), (10, 1188), (11, 1236), (12, 1245), (13, 1278), (14, 1281), (15, 1299), (16, 1308), (17, 1311), (18, 1335), (19, 1389), (20, 1392),

Gene: GrandSlam_4 Start: 1066, Stop: 1497, Start Num: 6
Candidate Starts for GrandSlam_4:
(3, 946), (4, 955), (5, 961), (Start: 6 @1066 has 15 MA's), (7, 1078), (9, 1165), (12, 1243), (13, 1276), (14, 1279), (15, 1297), (17, 1309), (18, 1333), (19, 1387), (20, 1390),

Gene: Hamood_4 Start: 1066, Stop: 1497, Start Num: 6
Candidate Starts for Hamood_4:
(3, 946), (4, 955), (5, 961), (Start: 6 @1066 has 15 MA's), (7, 1078), (9, 1165), (12, 1243), (13, 1276), (14, 1279), (15, 1297), (17, 1309), (18, 1333), (19, 1387), (20, 1390),

Gene: Mulch_4 Start: 1066, Stop: 1497, Start Num: 6
Candidate Starts for Mulch_4:
(3, 946), (4, 955), (5, 961), (Start: 6 @1066 has 15 MA's), (7, 1078), (9, 1165), (12, 1243), (13, 1276), (14, 1279), (15, 1297), (17, 1309), (18, 1333), (19, 1387), (20, 1390),

Gene: Nadeem_4 Start: 1066, Stop: 1497, Start Num: 6
Candidate Starts for Nadeem_4:
(3, 946), (4, 955), (5, 961), (Start: 6 @1066 has 15 MA's), (7, 1078), (9, 1165), (12, 1243), (13, 1276), (14, 1279), (15, 1297), (17, 1309), (18, 1333), (19, 1387), (20, 1390),

Gene: NancyRae_4 Start: 1066, Stop: 1497, Start Num: 6
Candidate Starts for NancyRae_4:
(3, 946), (4, 955), (5, 961), (Start: 6 @1066 has 15 MA's), (7, 1078), (9, 1165), (12, 1243), (13, 1276), (14, 1279), (15, 1297), (17, 1309), (18, 1333), (19, 1387), (20, 1390),

Gene: Parada_4 Start: 1066, Stop: 1497, Start Num: 6
Candidate Starts for Parada_4:
(3, 946), (4, 955), (5, 961), (Start: 6 @1066 has 15 MA's), (7, 1078), (9, 1165), (12, 1243), (13, 1276), (14, 1279), (15, 1297), (17, 1309), (18, 1333), (19, 1387), (20, 1390),

Gene: Pimento_4 Start: 1066, Stop: 1497, Start Num: 6
Candidate Starts for Pimento_4:
(3, 946), (4, 955), (5, 961), (Start: 6 @1066 has 15 MA's), (7, 1078), (9, 1165), (11, 1234), (12, 1243), (13, 1276), (14, 1279), (15, 1297), (17, 1309), (18, 1333), (19, 1387),

Gene: SussRoloMann_4 Start: 1066, Stop: 1497, Start Num: 6
Candidate Starts for SussRoloMann_4:
(3, 946), (4, 955), (5, 961), (Start: 6 @1066 has 15 MA's), (7, 1078), (9, 1165), (12, 1243), (13, 1276), (14, 1279), (15, 1297), (17, 1309), (18, 1333), (19, 1387), (20, 1390),

Gene: WheatThin_4 Start: 1066, Stop: 1497, Start Num: 6
Candidate Starts for WheatThin_4:
(3, 946), (4, 955), (5, 961), (Start: 6 @1066 has 15 MA's), (7, 1078), (9, 1165), (12, 1243), (13, 1276), (14, 1279), (15, 1297), (17, 1309), (18, 1333), (19, 1387), (20, 1390),