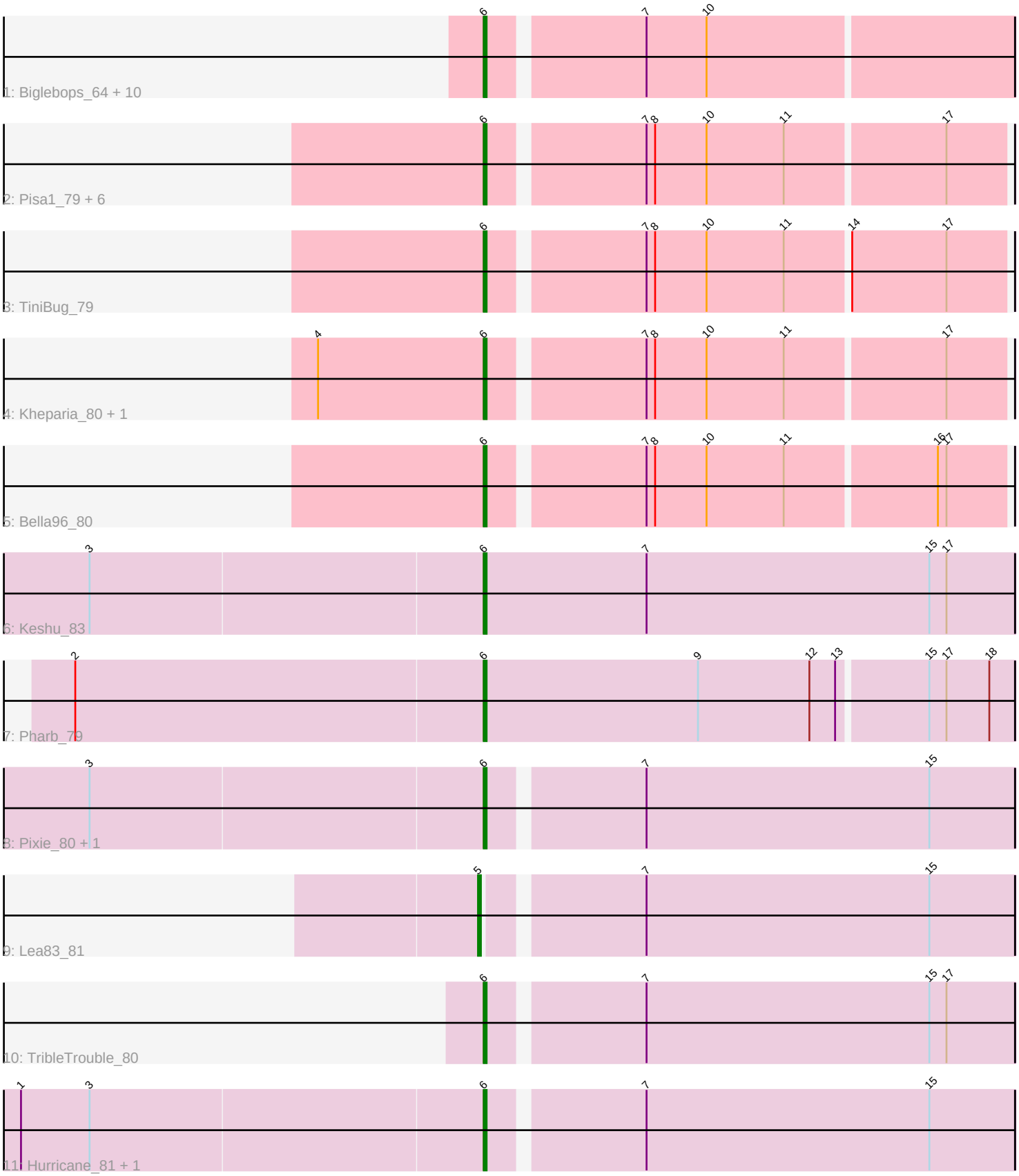
Pham 339915


1: Biglebops_64 + 10
2: Pisa1_79 + 6
3: TiniBug_79
4: Kheparia_80 + 1
5: Bella96_80
6: Keshu_83
7: Pharb_79
8: Pixie_80 + 1
9: Lea83_81
10: TribleTrouble_80
11: Hurricane_81 + 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 339915 Report

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

Pham number 339915 has 30 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Biglebops_64, Amelie_64, Nikao_67, Teejan_66, Torres_67, SgtBeansprout_65, Nutello_64, LilPharaoh_65, Trice_64, Enkosi_66, Mdavu_65
• Track 2 : Pisa1_79, Pisa4_73, DrHayes_79, Urkel_79, DartGoblin_80, SamuelLPlaqson_79, Anma_78
• Track 3 : TiniBug_79
• Track 4 : Kheparia_80, Bern_81
• Track 5 : Bella96_80
• Track 6 : Keshu_83
• Track 7 : Pharb_79
• Track 8 : Pixie_80, TBond007_77
• Track 9 : Lea83_81
• Track 10 : TribleTrouble_80
• Track 11 : Hurricane_81, ShedlockHolmes_83

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 24 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amelie_64, Anma_78, Bella96_80, Bern_81, Biglebops_64, DartGoblin_80, DrHayes_79, Enkosi_66, Hurricane_81, Keshu_83, Kheparia_80, LilPharaoh_65, Mdavu_65, Nikao_67, Nutello_64, Pharb_79, Pisa1_79, Pisa4_73, Pixie_80, SamuelLPlaqson_79, SgtBeansprout_65, ShedlockHolmes_83, TBond007_77, Teejan_66, TiniBug_79, Torres_67, TribleTrouble_80, Trice_64, Urkel_79,

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

Genes that do not have the "Most Annotated" start:
• Lea83_81,

Summary by start number:

Start 5:
• Found in 1 of 30 (3.3%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lea83_81 (K3),

Start 6:
• Found in 29 of 30 (96.7%) of genes in pham
• Manual Annotations of this start: 24 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amelie_64 (K1), Anma_78 (K1), Bella96_80 (K1), Bern_81 (K1), Biglebops_64 (K1), DartGoblin_80 (K1), DrHayes_79 (K1), Enkosi_66 (K1), Hurricane_81 (K3), Keshu_83 (K3), Kheparia_80 (K1), LilPharaoh_65 (K1), Mdavu_65 (K1), Nikao_67 (K1), Nutello_64 (K1), Pharb_79 (K3), Pisa1_79 (K1), Pisa4_73 (K1), Pixie_80 (K3), SamuelLPlaqson_79 (K1), SgtBeansprout_65 (K1), ShedlockHolmes_83 (K3), TBond007_77 (K3), Teejan_66 (K1), TiniBug_79 (K1), Torres_67 (K1), TribleTrouble_80 (K3), Trice_64 (K1), Urkel_79 (K1),

Summary by clusters:

There are 2 clusters represented in this pham: K3, K1,

Info for manual annotations of cluster K1:
•Start number 6 was manually annotated 17 times for cluster K1.

Info for manual annotations of cluster K3:
•Start number 5 was manually annotated 1 time for cluster K3.
•Start number 6 was manually annotated 7 times for cluster K3.

Gene Information:

Gene: Amelie_64 Start: 48142, Stop: 48318, Start Num: 6
Candidate Starts for Amelie_64:
(Start: 6 @48142 has 24 MA's), (7, 48193), (10, 48214),

Gene: Anma_78 Start: 51868, Stop: 52041, Start Num: 6
Candidate Starts for Anma_78:
(Start: 6 @51868 has 24 MA's), (7, 51919), (8, 51922), (10, 51940), (11, 51967), (17, 52021),

Gene: Bella96_80 Start: 51735, Stop: 51908, Start Num: 6
Candidate Starts for Bella96_80:
(Start: 6 @51735 has 24 MA's), (7, 51786), (8, 51789), (10, 51807), (11, 51834), (16, 51885), (17, 51888),

Gene: Bern_81 Start: 50495, Stop: 50668, Start Num: 6
Candidate Starts for Bern_81:
(4, 50438), (Start: 6 @50495 has 24 MA's), (7, 50546), (8, 50549), (10, 50567), (11, 50594), (17, 50648),

Gene: Biglebops_64 Start: 48157, Stop: 48333, Start Num: 6

Candidate Starts for Biglebops_64:
(Start: 6 @48157 has 24 MA's), (7, 48208), (10, 48229),

Gene: DartGoblin_80 Start: 51698, Stop: 51871, Start Num: 6
Candidate Starts for DartGoblin_80:
(Start: 6 @51698 has 24 MA's), (7, 51749), (8, 51752), (10, 51770), (11, 51797), (17, 51851),

Gene: DrHayes_79 Start: 51868, Stop: 52041, Start Num: 6
Candidate Starts for DrHayes_79:
(Start: 6 @51868 has 24 MA's), (7, 51919), (8, 51922), (10, 51940), (11, 51967), (17, 52021),

Gene: Enkosi_66 Start: 50755, Stop: 50931, Start Num: 6
Candidate Starts for Enkosi_66:
(Start: 6 @50755 has 24 MA's), (7, 50806), (10, 50827),

Gene: Hurricane_81 Start: 52538, Stop: 52717, Start Num: 6
Candidate Starts for Hurricane_81:
(1, 52379), (3, 52403), (Start: 6 @52538 has 24 MA's), (7, 52589), (15, 52688),

Gene: Keshu_83 Start: 52731, Stop: 52916, Start Num: 6
Candidate Starts for Keshu_83:
(3, 52596), (Start: 6 @52731 has 24 MA's), (7, 52788), (15, 52887), (17, 52893),

Gene: Kheparia_80 Start: 49056, Stop: 49229, Start Num: 6
Candidate Starts for Kheparia_80:
(4, 48999), (Start: 6 @49056 has 24 MA's), (7, 49107), (8, 49110), (10, 49128), (11, 49155), (17, 49209),

Gene: Lea83_81 Start: 52629, Stop: 52808, Start Num: 5
Candidate Starts for Lea83_81:
(Start: 5 @52629 has 1 MA's), (7, 52680), (15, 52779),

Gene: LilPharaoh_65 Start: 47870, Stop: 48046, Start Num: 6
Candidate Starts for LilPharaoh_65:
(Start: 6 @47870 has 24 MA's), (7, 47921), (10, 47942),

Gene: Mdavu_65 Start: 48146, Stop: 48322, Start Num: 6
Candidate Starts for Mdavu_65:
(Start: 6 @48146 has 24 MA's), (7, 48197), (10, 48218),

Gene: Nikao_67 Start: 50755, Stop: 50931, Start Num: 6
Candidate Starts for Nikao_67:
(Start: 6 @50755 has 24 MA's), (7, 50806), (10, 50827),

Gene: Nutello_64 Start: 48142, Stop: 48318, Start Num: 6
Candidate Starts for Nutello_64:
(Start: 6 @48142 has 24 MA's), (7, 48193), (10, 48214),

Gene: Pharb_79 Start: 51812, Stop: 51994, Start Num: 6
Candidate Starts for Pharb_79:
(2, 51671), (Start: 6 @51812 has 24 MA's), (9, 51887), (12, 51926), (13, 51935), (15, 51965), (17, 51971), (18, 51986),

Gene: Pisa1_79 Start: 52041, Stop: 52214, Start Num: 6
Candidate Starts for Pisa1_79:
(Start: 6 @52041 has 24 MA's), (7, 52092), (8, 52095), (10, 52113), (11, 52140), (17, 52194),

Gene: Pisa4_73 Start: 47410, Stop: 47583, Start Num: 6
Candidate Starts for Pisa4_73:
(Start: 6 @47410 has 24 MA's), (7, 47461), (8, 47464), (10, 47482), (11, 47509), (17, 47563),

Gene: Pixie_80 Start: 52122, Stop: 52301, Start Num: 6
Candidate Starts for Pixie_80:
(3, 51987), (Start: 6 @52122 has 24 MA's), (7, 52173), (15, 52272),

Gene: SamuelLPlaqson_79 Start: 51868, Stop: 52041, Start Num: 6
Candidate Starts for SamuelLPlaqson_79:
(Start: 6 @51868 has 24 MA's), (7, 51919), (8, 51922), (10, 51940), (11, 51967), (17, 52021),

Gene: SgtBeansprout_65 Start: 48142, Stop: 48318, Start Num: 6
Candidate Starts for SgtBeansprout_65:
(Start: 6 @48142 has 24 MA's), (7, 48193), (10, 48214),

Gene: ShedlockHolmes_83 Start: 52635, Stop: 52814, Start Num: 6
Candidate Starts for ShedlockHolmes_83:
(1, 52476), (3, 52500), (Start: 6 @52635 has 24 MA's), (7, 52686), (15, 52785),

Gene: TBond007_77 Start: 52120, Stop: 52299, Start Num: 6
Candidate Starts for TBond007_77:
(3, 51985), (Start: 6 @52120 has 24 MA's), (7, 52171), (15, 52270),

Gene: Teejan_66 Start: 50755, Stop: 50931, Start Num: 6
Candidate Starts for Teejan_66:
(Start: 6 @50755 has 24 MA's), (7, 50806), (10, 50827),

Gene: TiniBug_79 Start: 51867, Stop: 52040, Start Num: 6
Candidate Starts for TiniBug_79:
(Start: 6 @51867 has 24 MA's), (7, 51918), (8, 51921), (10, 51939), (11, 51966), (14, 51987), (17, 52020),

Gene: Torres_67 Start: 50756, Stop: 50932, Start Num: 6
Candidate Starts for Torres_67:
(Start: 6 @50756 has 24 MA's), (7, 50807), (10, 50828),

Gene: TribleTrouble_80 Start: 52339, Stop: 52518, Start Num: 6
Candidate Starts for TribleTrouble_80:
(Start: 6 @52339 has 24 MA's), (7, 52390), (15, 52489), (17, 52495),

Gene: Trice_64 Start: 48143, Stop: 48319, Start Num: 6
Candidate Starts for Trice_64:
(Start: 6 @48143 has 24 MA's), (7, 48194), (10, 48215),

Gene: Urkel_79 Start: 51868, Stop: 52041, Start Num: 6
Candidate Starts for Urkel_79:
(Start: 6 @51868 has 24 MA's), (7, 51919), (8, 51922), (10, 51940), (11, 51967), (17, 52021),