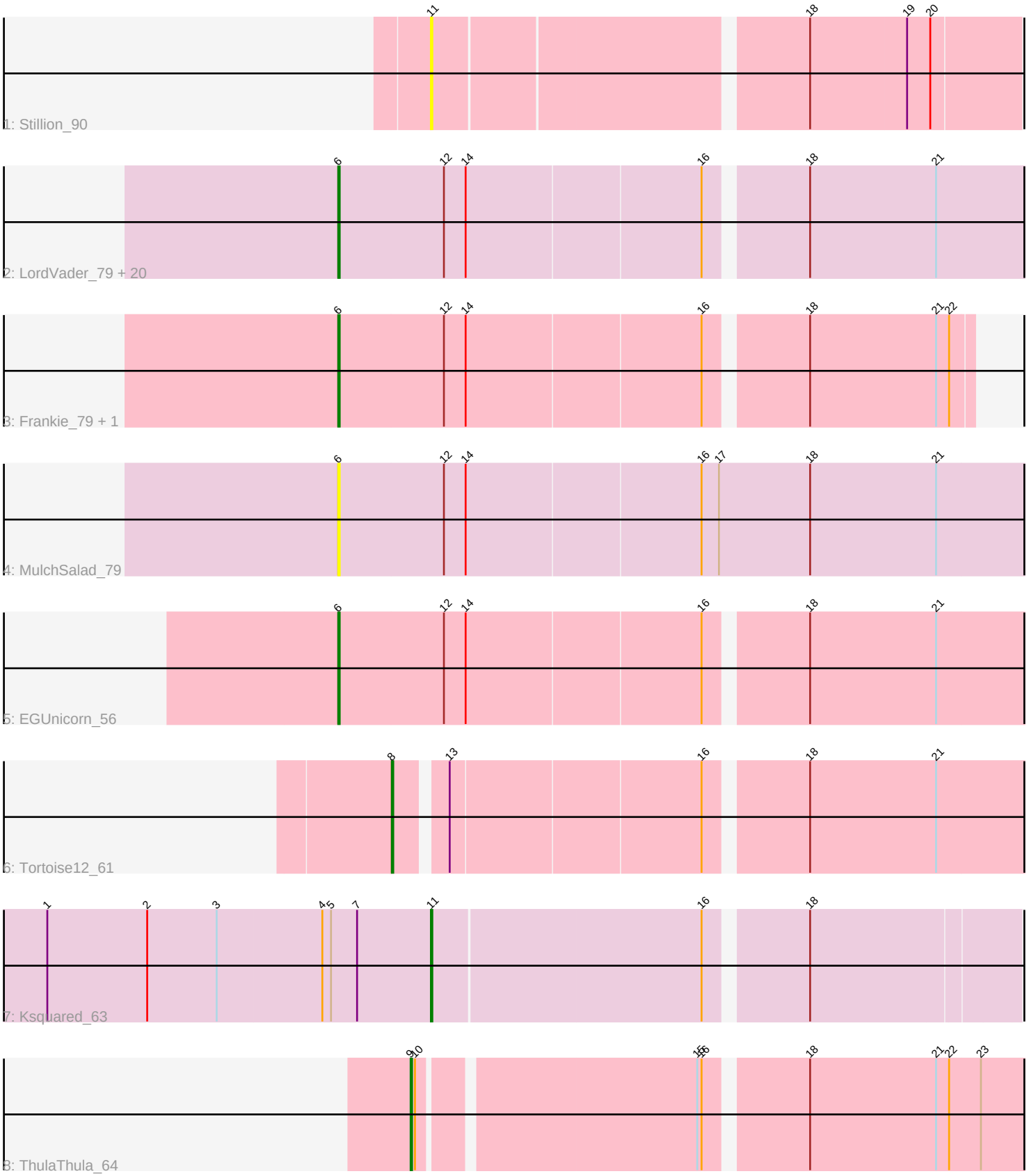
Pham 305227


11
18
19
20
1: Stillion_90
6
12
14
16
18
21
2: LordVader_79 + 20
6
12
14
16
18
21
22
3: Frankie_79 + 1
6
12
14
16
17
18
21
4: MulchSalad_79
6
12
14
16
18
21
5: EGUnicorn_56
8
13
16
18
21
6: Tortoise12_61
1
2
3
4
5
7
11
16
18
7: Ksquared_63
9
10
15
16
18
21
22
23
8: ThulaThula_64

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 305227 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305227 has 29 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Stillion_90
• Track 2 : LordVader_79, SkinnyPete_58, Fulbright_59, Xerxes_61, Duplicity_59, Magsby_60, Phloss_59, Parmesanjohn_61, Chewbacca_64, Tessdabest_62, FirstPlacePfu_63, Schnauzer_62, Pipsqueaks_62, Philonius_61, Silvy_57, Smurph_61, Aggie_57, Silvafighter_63, Melville_66, Carcharodon_61, Gex_62
• Track 3 : Frankie_79, Piper2020_85
• Track 4 : MulchSalad_79
• Track 5 : EGUnicorn_56
• Track 6 : Tortoise12_61
• Track 7 : Ksquared_63
• Track 8 : ThulaThula_64

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

Genes that call this "Most Annotated" start:
• Aggie_57, Carcharodon_61, Chewbacca_64, Duplicity_59, EGUnicorn_56, FirstPlacePfu_63, Frankie_79, Fulbright_59, Gex_62, LordVader_79, Magsby_60, Melville_66, MulchSalad_79, Parmesanjohn_61, Philonius_61, Phloss_59, Piper2020_85, Pipsqueaks_62, Schnauzer_62, Silvafighter_63, Silvy_57, SkinnyPete_58, Smurph_61, Tessdabest_62, Xerxes_61,

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

Genes that do not have the "Most Annotated" start:
• Ksquared_63, Stillion_90, ThulaThula_64, Tortoise12_61,

Summary by start number:

Start 6:
• Found in 25 of 29 (86.2%) of genes in pham

• Manual Annotations of this start: 22 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aggie_57 (N), Carcharodon_61 (N), Chewbacca_64 (N), Duplicity_59 (N), EGUnicorn_56 (N), FirstPlacePfu_63 (P1), Frankie_79 (F1), Fulbright_59 (N), Gex_62 (N), LordVader_79 (F), Magsby_60 (N), Melville_66 (N), MulchSalad_79 (F7), Parmesanjohn_61 (N), Philonius_61 (N), Phloss_59 (N), Piper2020_85 (F1), Pipsqueaks_62 (N), Schnauzer_62 (N), Silvafighter_63 (N), Silvy_57 (N), SkinnyPete_58 (N), Smurph_61 (N), Tessdabest_62 (N), Xerxes_61 (N),

Start 8:
• Found in 1 of 29 (3.4%) 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: Tortoise12_61 (N),

Start 9:
• Found in 1 of 29 (3.4%) 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: ThulaThula_64 (P5),

Start 11:
• Found in 2 of 29 (6.9%) 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: Ksquared_63 (P1), Stillion_90 (CP),

Summary by clusters:

There are 7 clusters represented in this pham: F1, P1, F7, P5, F, N, CP,

Info for manual annotations of cluster F1:
•Start number 6 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster N:
•Start number 6 was manually annotated 19 times for cluster N.
•Start number 8 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster P1:
•Start number 6 was manually annotated 1 time for cluster P1.
•Start number 11 was manually annotated 1 time for cluster P1.

Info for manual annotations of cluster P5:
•Start number 9 was manually annotated 1 time for cluster P5.

Gene Information:

Gene: Aggie_57 Start: 39395, Stop: 39856, Start Num: 6
Candidate Starts for Aggie_57:
(Start: 6 @39395 has 22 MA's), (12, 39467), (14, 39482), (16, 39641), (18, 39704), (21, 39791),

Gene: Carcharodon_61 Start: 38739, Stop: 39203, Start Num: 6
Candidate Starts for Carcharodon_61:
(Start: 6 @38739 has 22 MA's), (12, 38811), (14, 38826), (16, 38985), (18, 39048), (21, 39135),

Gene: Chewbacca_64 Start: 38634, Stop: 39098, Start Num: 6
Candidate Starts for Chewbacca_64:
(Start: 6 @38634 has 22 MA's), (12, 38706), (14, 38721), (16, 38880), (18, 38943), (21, 39030),

Gene: Duplicity_59 Start: 37996, Stop: 38460, Start Num: 6
Candidate Starts for Duplicity_59:
(Start: 6 @37996 has 22 MA's), (12, 38068), (14, 38083), (16, 38242), (18, 38305), (21, 38392),

Gene: EGUnicorn_56 Start: 37062, Stop: 37526, Start Num: 6
Candidate Starts for EGUnicorn_56:
(Start: 6 @37062 has 22 MA's), (12, 37134), (14, 37149), (16, 37308), (18, 37371), (21, 37458),

Gene: FirstPlacePfu_63 Start: 38539, Stop: 39003, Start Num: 6
Candidate Starts for FirstPlacePfu_63:
(Start: 6 @38539 has 22 MA's), (12, 38611), (14, 38626), (16, 38785), (18, 38848), (21, 38935),

Gene: Frankie_79 Start: 47128, Stop: 47547, Start Num: 6
Candidate Starts for Frankie_79:
(Start: 6 @47128 has 22 MA's), (12, 47200), (14, 47215), (16, 47374), (18, 47437), (21, 47524), (22, 47533),

Gene: Fulbright_59 Start: 37433, Stop: 37897, Start Num: 6
Candidate Starts for Fulbright_59:
(Start: 6 @37433 has 22 MA's), (12, 37505), (14, 37520), (16, 37679), (18, 37742), (21, 37829),

Gene: Gex_62 Start: 38755, Stop: 39219, Start Num: 6
Candidate Starts for Gex_62:
(Start: 6 @38755 has 22 MA's), (12, 38827), (14, 38842), (16, 39001), (18, 39064), (21, 39151),

Gene: Ksquared_63 Start: 41638, Stop: 42021, Start Num: 11
Candidate Starts for Ksquared_63:
(1, 41374), (2, 41443), (3, 41491), (4, 41563), (5, 41569), (7, 41587), (Start: 11 @41638 has 1 MA's), (16, 41821), (18, 41884),

Gene: LordVader_79 Start: 46008, Stop: 46472, Start Num: 6
Candidate Starts for LordVader_79:
(Start: 6 @46008 has 22 MA's), (12, 46080), (14, 46095), (16, 46254), (18, 46317), (21, 46404),

Gene: Magsby_60 Start: 38701, Stop: 39165, Start Num: 6
Candidate Starts for Magsby_60:
(Start: 6 @38701 has 22 MA's), (12, 38773), (14, 38788), (16, 38947), (18, 39010), (21, 39097),

Gene: Melville_66 Start: 38310, Stop: 38774, Start Num: 6
Candidate Starts for Melville_66:
(Start: 6 @38310 has 22 MA's), (12, 38382), (14, 38397), (16, 38556), (18, 38619), (21, 38706),

Gene: MulchSalad_79 Start: 47746, Stop: 48222, Start Num: 6
Candidate Starts for MulchSalad_79:
(Start: 6 @47746 has 22 MA's), (12, 47818), (14, 47833), (16, 47992), (17, 48004), (18, 48067), (21, 48154),

Gene: Parmesanjohn_61 Start: 38759, Stop: 39223, Start Num: 6
Candidate Starts for Parmesanjohn_61:
(Start: 6 @38759 has 22 MA's), (12, 38831), (14, 38846), (16, 39005), (18, 39068), (21, 39155),

Gene: Philonius_61 Start: 38924, Stop: 39388, Start Num: 6
Candidate Starts for Philonius_61:
(Start: 6 @38924 has 22 MA's), (12, 38996), (14, 39011), (16, 39170), (18, 39233), (21, 39320),

Gene: Phloss_59 Start: 38166, Stop: 38630, Start Num: 6
Candidate Starts for Phloss_59:
(Start: 6 @38166 has 22 MA's), (12, 38238), (14, 38253), (16, 38412), (18, 38475), (21, 38562),

Gene: Piper2020_85 Start: 51523, Stop: 51987, Start Num: 6
Candidate Starts for Piper2020_85:
(Start: 6 @51523 has 22 MA's), (12, 51595), (14, 51610), (16, 51769), (18, 51832), (21, 51919), (22, 51928),

Gene: Pipsqueaks_62 Start: 38737, Stop: 39201, Start Num: 6
Candidate Starts for Pipsqueaks_62:
(Start: 6 @38737 has 22 MA's), (12, 38809), (14, 38824), (16, 38983), (18, 39046), (21, 39133),

Gene: Schnauzer_62 Start: 38759, Stop: 39223, Start Num: 6
Candidate Starts for Schnauzer_62:
(Start: 6 @38759 has 22 MA's), (12, 38831), (14, 38846), (16, 39005), (18, 39068), (21, 39155),

Gene: Silvafighter_63 Start: 38302, Stop: 38766, Start Num: 6
Candidate Starts for Silvafighter_63:
(Start: 6 @38302 has 22 MA's), (12, 38374), (14, 38389), (16, 38548), (18, 38611), (21, 38698),

Gene: Silvy_57 Start: 39395, Stop: 39856, Start Num: 6
Candidate Starts for Silvy_57:
(Start: 6 @39395 has 22 MA's), (12, 39467), (14, 39482), (16, 39641), (18, 39704), (21, 39791),

Gene: SkinnyPete_58 Start: 38506, Stop: 38970, Start Num: 6
Candidate Starts for SkinnyPete_58:
(Start: 6 @38506 has 22 MA's), (12, 38578), (14, 38593), (16, 38752), (18, 38815), (21, 38902),

Gene: Smurph_61 Start: 38759, Stop: 39223, Start Num: 6
Candidate Starts for Smurph_61:
(Start: 6 @38759 has 22 MA's), (12, 38831), (14, 38846), (16, 39005), (18, 39068), (21, 39155),

Gene: Stillion_90 Start: 56941, Stop: 57324, Start Num: 11
Candidate Starts for Stillion_90:
(Start: 11 @56941 has 1 MA's), (18, 57184), (19, 57250), (20, 57265),

Gene: Tessdabest_62 Start: 38893, Stop: 39357, Start Num: 6
Candidate Starts for Tessdabest_62:

(Start: 6 @38893 has 22 MA's), (12, 38965), (14, 38980), (16, 39139), (18, 39202), (21, 39289),

Gene: ThulaThula_64 Start: 43444, Stop: 43848, Start Num: 9
Candidate Starts for ThulaThula_64:
(Start: 9 @43444 has 1 MA's), (10, 43447), (15, 43627), (16, 43630), (18, 43693), (21, 43780), (22, 43789), (23, 43810),

Gene: Tortoise12_61 Start: 37928, Stop: 38344, Start Num: 8
Candidate Starts for Tortoise12_61:
(Start: 8 @37928 has 1 MA's), (13, 37958), (16, 38126), (18, 38189), (21, 38276),

Gene: Xerxes_61 Start: 38756, Stop: 39220, Start Num: 6
Candidate Starts for Xerxes_61:
(Start: 6 @38756 has 22 MA's), (12, 38828), (14, 38843), (16, 39002), (18, 39065), (21, 39152),