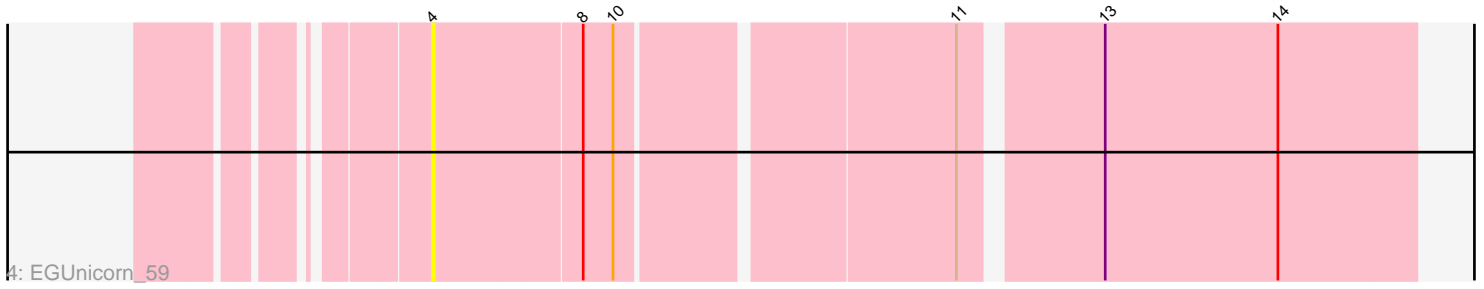
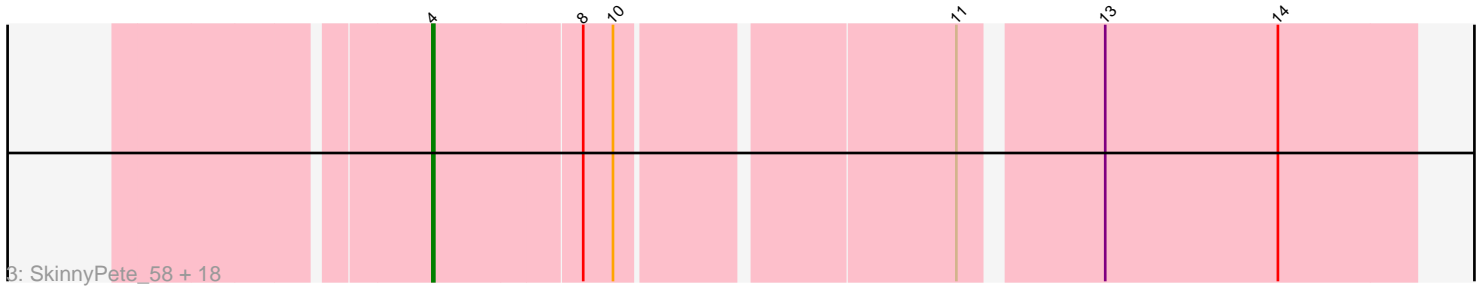
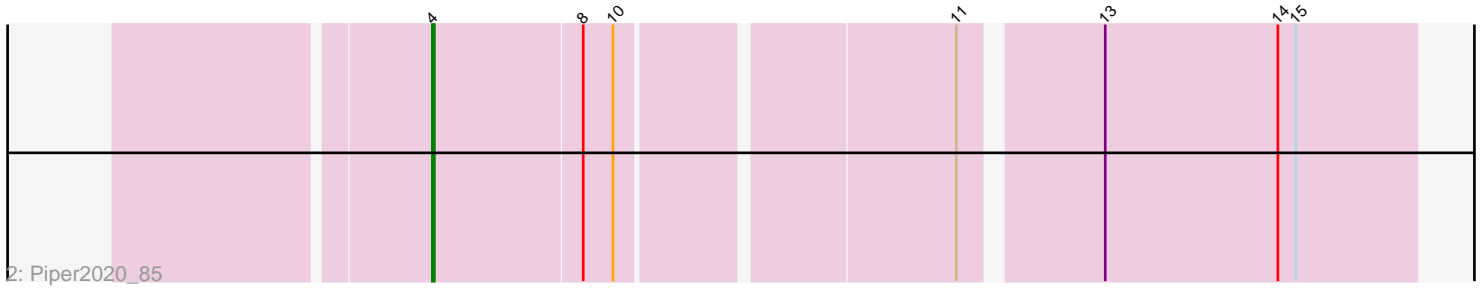
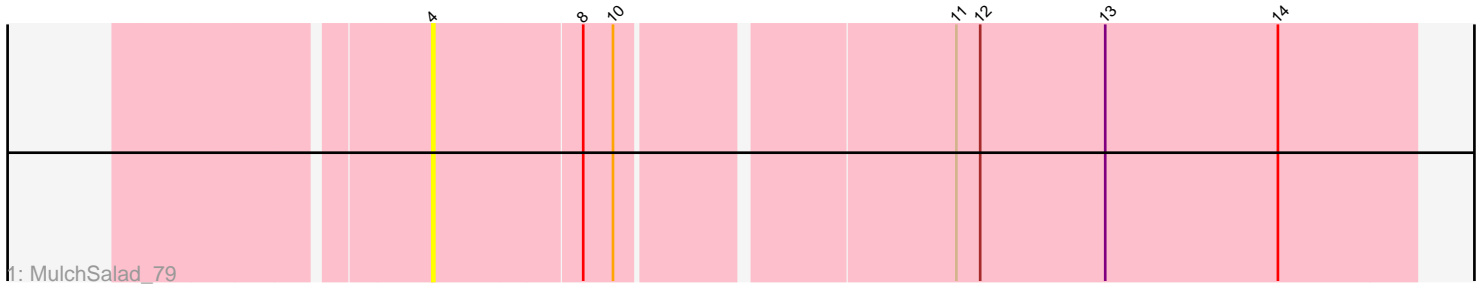


Pham 203228



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 203228 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203228 has 27 members, 2 are drafts.

Phages represented in each track:

- Track 1 : MulchSalad_79
- Track 2 : Piper2020_85
- Track 3 : SkinnyPete_58, Fulbright_59, Xerxes_61, Duplicity_59, Magsby_60, Phloss_59, Philonius_61, Chewbacca_64, FirstPlacePfu_63, Schnauzer_62, Pipsqueaks_62, Parmesanjohn_61, Silvy_57, Smurph_61, Aggie_57, Silvafighter_63, Carcharodon_61, Melville_66, Gex_62
- Track 4 : EGUnicorn_59
- Track 5 : Bunnies_65, CactusJack_60, KilKor_60, Phalm_60, Glaske_59

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 20 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_59, FirstPlacePfu_63, Fulbright_59, Gex_62, 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, Xerxes_61,

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

-

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

- Bunnies_65, CactusJack_60, Glaske_59, KilKor_60, Phalm_60,

Summary by start number:

Start 4:

- Found in 22 of 27 (81.5%) of genes in pham
- Manual Annotations of this start: 20 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_59 (N), FirstPlacePfu_63 (P1),

Fulbright_59 (N), Gex_62 (N), Magsby_60 (N), Melville_66 (N), MulchSalad_79 (F), 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), Xerxes_61 (N),

Start 9:

- Found in 5 of 27 (18.5%) of genes in pham
- Manual Annotations of this start: 5 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bunnies_65 (P1), CactusJack_60 (P1), Glaske_59 (P1), KilKor_60 (P1), Phalm_60 (P1),

Summary by clusters:

There are 4 clusters represented in this pham: F1, F, P1, N,

Info for manual annotations of cluster F1:

- Start number 4 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster N:

- Start number 4 was manually annotated 18 times for cluster N.

Info for manual annotations of cluster P1:

- Start number 4 was manually annotated 1 time for cluster P1.
- Start number 9 was manually annotated 5 times for cluster P1.

Gene Information:

Gene: Aggie_57 Start: 39395, Stop: 39856, Start Num: 4

Candidate Starts for Aggie_57:

(Start: 4 @39395 has 20 MA's), (8, 39467), (10, 39482), (11, 39641), (13, 39704), (14, 39791),

Gene: Bunnies_65 Start: 41638, Stop: 42144, Start Num: 9

Candidate Starts for Bunnies_65:

(1, 41374), (2, 41443), (3, 41491), (5, 41563), (6, 41569), (7, 41587), (Start: 9 @41638 has 5 MA's), (11, 41821), (13, 41884), (14, 41971), (16, 42001), (17, 42037), (18, 42040),

Gene: CactusJack_60 Start: 40506, Stop: 41012, Start Num: 9

Candidate Starts for CactusJack_60:

(1, 40242), (2, 40311), (3, 40359), (5, 40431), (6, 40437), (7, 40455), (Start: 9 @40506 has 5 MA's), (11, 40689), (13, 40752), (14, 40839), (16, 40869), (17, 40905), (18, 40908),

Gene: Carcharodon_61 Start: 38739, Stop: 39203, Start Num: 4

Candidate Starts for Carcharodon_61:

(Start: 4 @38739 has 20 MA's), (8, 38811), (10, 38826), (11, 38985), (13, 39048), (14, 39135),

Gene: Chewbacca_64 Start: 38634, Stop: 39098, Start Num: 4

Candidate Starts for Chewbacca_64:

(Start: 4 @38634 has 20 MA's), (8, 38706), (10, 38721), (11, 38880), (13, 38943), (14, 39030),

Gene: Duplicity_59 Start: 37996, Stop: 38460, Start Num: 4
Candidate Starts for Duplicity_59:
(Start: 4 @37996 has 20 MA's), (8, 38068), (10, 38083), (11, 38242), (13, 38305), (14, 38392),

Gene: EGUunicorn_59 Start: 37062, Stop: 37526, Start Num: 4
Candidate Starts for EGUunicorn_59:
(Start: 4 @37062 has 20 MA's), (8, 37134), (10, 37149), (11, 37308), (13, 37371), (14, 37458),

Gene: FirstPlacePfu_63 Start: 38539, Stop: 39003, Start Num: 4
Candidate Starts for FirstPlacePfu_63:
(Start: 4 @38539 has 20 MA's), (8, 38611), (10, 38626), (11, 38785), (13, 38848), (14, 38935),

Gene: Fulbright_59 Start: 37433, Stop: 37897, Start Num: 4
Candidate Starts for Fulbright_59:
(Start: 4 @37433 has 20 MA's), (8, 37505), (10, 37520), (11, 37679), (13, 37742), (14, 37829),

Gene: Gex_62 Start: 38755, Stop: 39219, Start Num: 4
Candidate Starts for Gex_62:
(Start: 4 @38755 has 20 MA's), (8, 38827), (10, 38842), (11, 39001), (13, 39064), (14, 39151),

Gene: Glaske_59 Start: 40506, Stop: 41012, Start Num: 9
Candidate Starts for Glaske_59:
(1, 40242), (2, 40311), (3, 40359), (5, 40431), (6, 40437), (7, 40455), (Start: 9 @40506 has 5 MA's),
(11, 40689), (13, 40752), (14, 40839), (16, 40869), (17, 40905), (18, 40908),

Gene: KilKor_60 Start: 41199, Stop: 41705, Start Num: 9
Candidate Starts for KilKor_60:
(1, 40935), (2, 41004), (3, 41052), (5, 41124), (6, 41130), (7, 41148), (Start: 9 @41199 has 5 MA's),
(11, 41382), (13, 41445), (14, 41532), (16, 41562), (17, 41598), (18, 41601),

Gene: Magsby_60 Start: 38701, Stop: 39165, Start Num: 4
Candidate Starts for Magsby_60:
(Start: 4 @38701 has 20 MA's), (8, 38773), (10, 38788), (11, 38947), (13, 39010), (14, 39097),

Gene: Melville_66 Start: 38310, Stop: 38774, Start Num: 4
Candidate Starts for Melville_66:
(Start: 4 @38310 has 20 MA's), (8, 38382), (10, 38397), (11, 38556), (13, 38619), (14, 38706),

Gene: MulchSalad_79 Start: 47746, Stop: 48222, Start Num: 4
Candidate Starts for MulchSalad_79:
(Start: 4 @47746 has 20 MA's), (8, 47818), (10, 47833), (11, 47992), (12, 48004), (13, 48067), (14, 48154),

Gene: Parmesanjohn_61 Start: 38759, Stop: 39223, Start Num: 4
Candidate Starts for Parmesanjohn_61:
(Start: 4 @38759 has 20 MA's), (8, 38831), (10, 38846), (11, 39005), (13, 39068), (14, 39155),

Gene: Phalm_60 Start: 40506, Stop: 41012, Start Num: 9
Candidate Starts for Phalm_60:
(1, 40242), (2, 40311), (3, 40359), (5, 40431), (6, 40437), (7, 40455), (Start: 9 @40506 has 5 MA's),
(11, 40689), (13, 40752), (14, 40839), (16, 40869), (17, 40905), (18, 40908),

Gene: Philonius_61 Start: 38924, Stop: 39388, Start Num: 4

Candidate Starts for Philonius_61:

(Start: 4 @38924 has 20 MA's), (8, 38996), (10, 39011), (11, 39170), (13, 39233), (14, 39320),

Gene: Phloss_59 Start: 38166, Stop: 38630, Start Num: 4

Candidate Starts for Phloss_59:

(Start: 4 @38166 has 20 MA's), (8, 38238), (10, 38253), (11, 38412), (13, 38475), (14, 38562),

Gene: Piper2020_85 Start: 51523, Stop: 51987, Start Num: 4

Candidate Starts for Piper2020_85:

(Start: 4 @51523 has 20 MA's), (8, 51595), (10, 51610), (11, 51769), (13, 51832), (14, 51919), (15, 51928),

Gene: Pipsqueaks_62 Start: 38737, Stop: 39201, Start Num: 4

Candidate Starts for Pipsqueaks_62:

(Start: 4 @38737 has 20 MA's), (8, 38809), (10, 38824), (11, 38983), (13, 39046), (14, 39133),

Gene: Schnauzer_62 Start: 38759, Stop: 39223, Start Num: 4

Candidate Starts for Schnauzer_62:

(Start: 4 @38759 has 20 MA's), (8, 38831), (10, 38846), (11, 39005), (13, 39068), (14, 39155),

Gene: Silvafighter_63 Start: 38302, Stop: 38766, Start Num: 4

Candidate Starts for Silvafighter_63:

(Start: 4 @38302 has 20 MA's), (8, 38374), (10, 38389), (11, 38548), (13, 38611), (14, 38698),

Gene: Silvy_57 Start: 39395, Stop: 39856, Start Num: 4

Candidate Starts for Silvy_57:

(Start: 4 @39395 has 20 MA's), (8, 39467), (10, 39482), (11, 39641), (13, 39704), (14, 39791),

Gene: SkinnyPete_58 Start: 38506, Stop: 38970, Start Num: 4

Candidate Starts for SkinnyPete_58:

(Start: 4 @38506 has 20 MA's), (8, 38578), (10, 38593), (11, 38752), (13, 38815), (14, 38902),

Gene: Smurph_61 Start: 38759, Stop: 39223, Start Num: 4

Candidate Starts for Smurph_61:

(Start: 4 @38759 has 20 MA's), (8, 38831), (10, 38846), (11, 39005), (13, 39068), (14, 39155),

Gene: Xerxes_61 Start: 38756, Stop: 39220, Start Num: 4

Candidate Starts for Xerxes_61:

(Start: 4 @38756 has 20 MA's), (8, 38828), (10, 38843), (11, 39002), (13, 39065), (14, 39152),