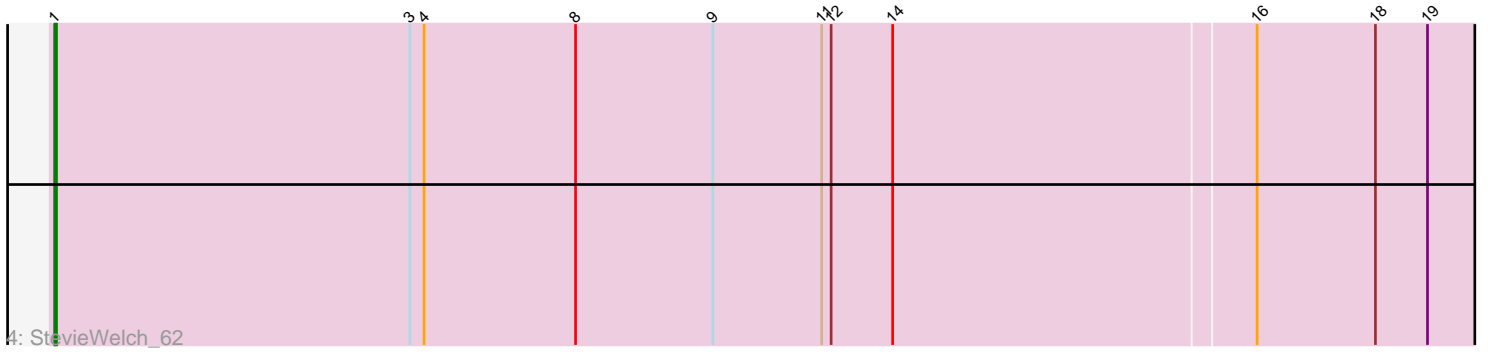
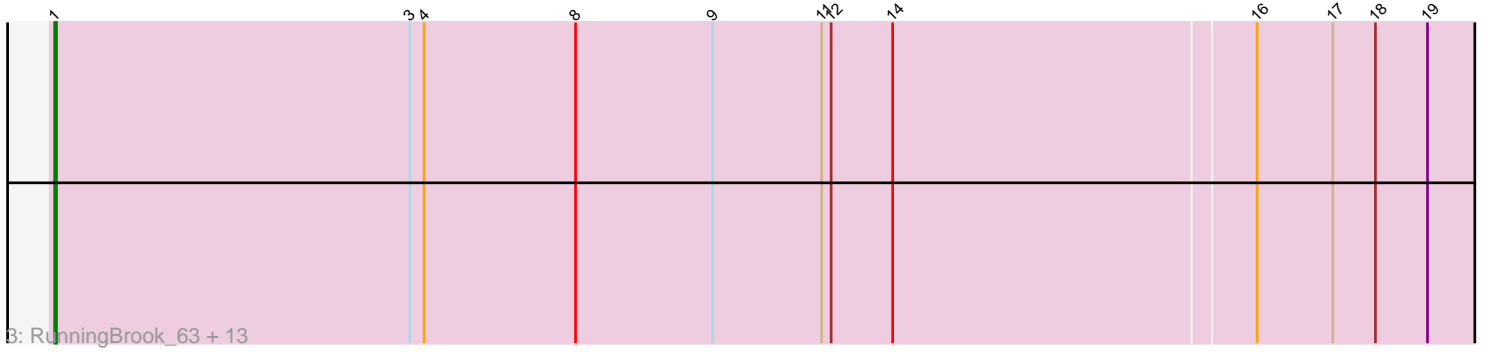
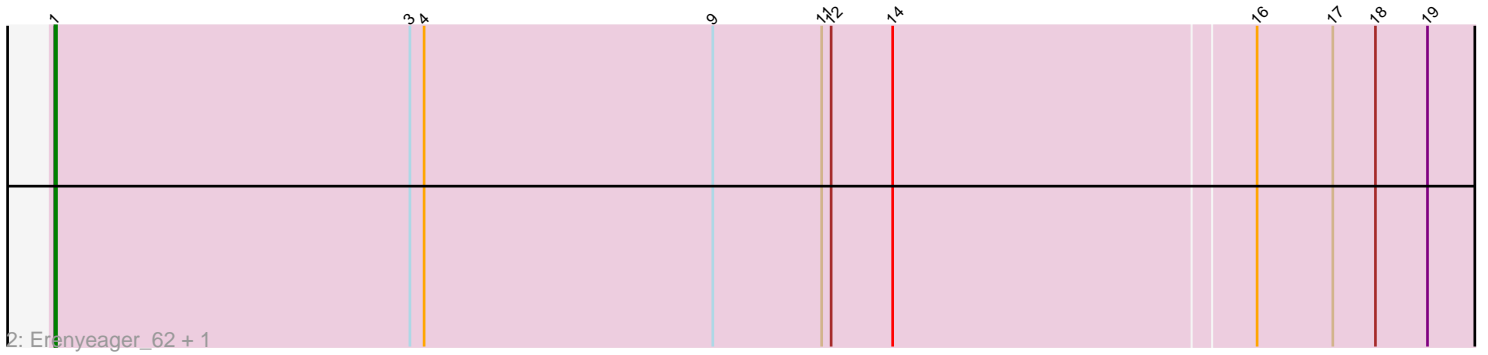
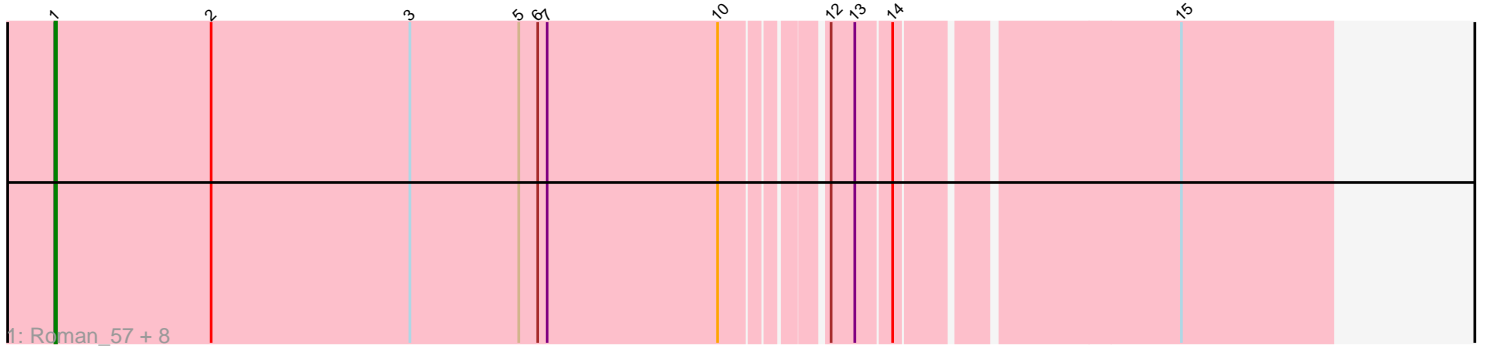


Pham 311945



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 311945 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311945 has 26 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Roman_57, Hubbs_57, Lupine_55, Pavlo_56, Uterion_59, Saradis_57, PhillyPhilly_56, DejaVu_58, Solimine_57
- Track 2 : Erenyeager_62, Musetta_62
- Track 3 : RunningBrook_63, SteakFry_64, Necrophoxinus_64, DustyDino_65, HollowPurple_63, Deschain_63, Shroomer_66, Yuma_61, Issa7_61, Fork_58, Lyell_62, ASegato_61, Welcome_63, Casablanacas_63
- Track 4 : StevieWelch_62

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

The start number called the most often in the published annotations is 1, it was called in 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ASegato_61, Casablanacas_63, DejaVu_58, Deschain_63, DustyDino_65, Erenyeager_62, Fork_58, HollowPurple_63, Hubbs_57, Issa7_61, Lupine_55, Lyell_62, Musetta_62, Necrophoxinus_64, Pavlo_56, PhillyPhilly_56, Roman_57, RunningBrook_63, Saradis_57, Shroomer_66, Solimine_57, SteakFry_64, StevieWelch_62, Uterion_59, Welcome_63, Yuma_61,

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 1:

- Found in 26 of 26 (100.0%) of genes in pham
- Manual Annotations of this start: 21 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ASegato_61 (ED2), Casablanacas_63 (ED2), DejaVu_58 (ED1), Deschain_63 (ED2), DustyDino_65 (ED2), Erenyeager_62

(ED2), Fork_58 (ED2), HollowPurple_63 (ED2), Hubbs_57 (ED1), Issa7_61 (ED2), Lupine_55 (ED1), Lyell_62 (ED2), Musetta_62 (ED2), Necrophoxinus_64 (ED2), Pavlo_56 (ED1), PhillyPhilly_56 (ED1), Roman_57 (ED1), RunningBrook_63 (ED2), Saradis_57 (ED1), Shroomer_66 (ED2), Solimine_57 (ED1), SteakFry_64 (ED2), StevieWelch_62 (ED2), Uterion_59 (ED1), Welcome_63 (ED2), Yuma_61 (ED2),

Summary by clusters:

There are 2 clusters represented in this pham: ED2, ED1,

Info for manual annotations of cluster ED1:

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

Info for manual annotations of cluster ED2:

- Start number 1 was manually annotated 15 times for cluster ED2.

Gene Information:

Gene: ASegato_61 Start: 34711, Stop: 35643, Start Num: 1

Candidate Starts for ASegato_61:

(Start: 1 @34711 has 21 MA's), (3, 34936), (4, 34945), (8, 35041), (9, 35128), (11, 35197), (12, 35203), (14, 35242), (16, 35467), (17, 35515), (18, 35542), (19, 35575),

Gene: Casablancas_63 Start: 34451, Stop: 35383, Start Num: 1

Candidate Starts for Casablancas_63:

(Start: 1 @34451 has 21 MA's), (3, 34676), (4, 34685), (8, 34781), (9, 34868), (11, 34937), (12, 34943), (14, 34982), (16, 35207), (17, 35255), (18, 35282), (19, 35315),

Gene: DejaVu_58 Start: 34083, Stop: 34853, Start Num: 1

Candidate Starts for DejaVu_58:

(Start: 1 @34083 has 21 MA's), (2, 34182), (3, 34308), (5, 34377), (6, 34389), (7, 34395), (10, 34503), (12, 34557), (13, 34572), (14, 34593), (15, 34758),

Gene: Deschain_63 Start: 35115, Stop: 36047, Start Num: 1

Candidate Starts for Deschain_63:

(Start: 1 @35115 has 21 MA's), (3, 35340), (4, 35349), (8, 35445), (9, 35532), (11, 35601), (12, 35607), (14, 35646), (16, 35871), (17, 35919), (18, 35946), (19, 35979),

Gene: DustyDino_65 Start: 35309, Stop: 36241, Start Num: 1

Candidate Starts for DustyDino_65:

(Start: 1 @35309 has 21 MA's), (3, 35534), (4, 35543), (8, 35639), (9, 35726), (11, 35795), (12, 35801), (14, 35840), (16, 36065), (17, 36113), (18, 36140), (19, 36173),

Gene: Erenyeager_62 Start: 34701, Stop: 35633, Start Num: 1

Candidate Starts for Erenyeager_62:

(Start: 1 @34701 has 21 MA's), (3, 34926), (4, 34935), (9, 35118), (11, 35187), (12, 35193), (14, 35232), (16, 35457), (17, 35505), (18, 35532), (19, 35565),

Gene: Fork_58 Start: 34361, Stop: 35293, Start Num: 1

Candidate Starts for Fork_58:

(Start: 1 @34361 has 21 MA's), (3, 34586), (4, 34595), (8, 34691), (9, 34778), (11, 34847), (12, 34853), (14, 34892), (16, 35117), (17, 35165), (18, 35192), (19, 35225),

Gene: HollowPurple_63 Start: 34917, Stop: 35849, Start Num: 1

Candidate Starts for HollowPurple_63:

(Start: 1 @34917 has 21 MA's), (3, 35142), (4, 35151), (8, 35247), (9, 35334), (11, 35403), (12, 35409), (14, 35448), (16, 35673), (17, 35721), (18, 35748), (19, 35781),

Gene: Hubbs_57 Start: 34295, Stop: 35065, Start Num: 1

Candidate Starts for Hubbs_57:

(Start: 1 @34295 has 21 MA's), (2, 34394), (3, 34520), (5, 34589), (6, 34601), (7, 34607), (10, 34715), (12, 34769), (13, 34784), (14, 34805), (15, 34970),

Gene: Issa7_61 Start: 34365, Stop: 35297, Start Num: 1

Candidate Starts for Issa7_61:

(Start: 1 @34365 has 21 MA's), (3, 34590), (4, 34599), (8, 34695), (9, 34782), (11, 34851), (12, 34857), (14, 34896), (16, 35121), (17, 35169), (18, 35196), (19, 35229),

Gene: Lupine_55 Start: 33497, Stop: 34267, Start Num: 1

Candidate Starts for Lupine_55:

(Start: 1 @33497 has 21 MA's), (2, 33596), (3, 33722), (5, 33791), (6, 33803), (7, 33809), (10, 33917), (12, 33971), (13, 33986), (14, 34007), (15, 34172),

Gene: Lyell_62 Start: 34620, Stop: 35552, Start Num: 1

Candidate Starts for Lyell_62:

(Start: 1 @34620 has 21 MA's), (3, 34845), (4, 34854), (8, 34950), (9, 35037), (11, 35106), (12, 35112), (14, 35151), (16, 35376), (17, 35424), (18, 35451), (19, 35484),

Gene: Musetta_62 Start: 35081, Stop: 36013, Start Num: 1

Candidate Starts for Musetta_62:

(Start: 1 @35081 has 21 MA's), (3, 35306), (4, 35315), (9, 35498), (11, 35567), (12, 35573), (14, 35612), (16, 35837), (17, 35885), (18, 35912), (19, 35945),

Gene: Necrophoxinus_64 Start: 35315, Stop: 36247, Start Num: 1

Candidate Starts for Necrophoxinus_64:

(Start: 1 @35315 has 21 MA's), (3, 35540), (4, 35549), (8, 35645), (9, 35732), (11, 35801), (12, 35807), (14, 35846), (16, 36071), (17, 36119), (18, 36146), (19, 36179),

Gene: Pavlo_56 Start: 34142, Stop: 34912, Start Num: 1

Candidate Starts for Pavlo_56:

(Start: 1 @34142 has 21 MA's), (2, 34241), (3, 34367), (5, 34436), (6, 34448), (7, 34454), (10, 34562), (12, 34616), (13, 34631), (14, 34652), (15, 34817),

Gene: PhillyPhilly_56 Start: 33676, Stop: 34446, Start Num: 1

Candidate Starts for PhillyPhilly_56:

(Start: 1 @33676 has 21 MA's), (2, 33775), (3, 33901), (5, 33970), (6, 33982), (7, 33988), (10, 34096), (12, 34150), (13, 34165), (14, 34186), (15, 34351),

Gene: Roman_57 Start: 34143, Stop: 34913, Start Num: 1

Candidate Starts for Roman_57:

(Start: 1 @34143 has 21 MA's), (2, 34242), (3, 34368), (5, 34437), (6, 34449), (7, 34455), (10, 34563), (12, 34617), (13, 34632), (14, 34653), (15, 34818),

Gene: RunningBrook_63 Start: 35309, Stop: 36241, Start Num: 1
Candidate Starts for RunningBrook_63:
(Start: 1 @35309 has 21 MA's), (3, 35534), (4, 35543), (8, 35639), (9, 35726), (11, 35795), (12, 35801),
(14, 35840), (16, 36065), (17, 36113), (18, 36140), (19, 36173),

Gene: Saradis_57 Start: 33735, Stop: 34505, Start Num: 1
Candidate Starts for Saradis_57:
(Start: 1 @33735 has 21 MA's), (2, 33834), (3, 33960), (5, 34029), (6, 34041), (7, 34047), (10, 34155),
(12, 34209), (13, 34224), (14, 34245), (15, 34410),

Gene: Shroomer_66 Start: 34851, Stop: 35783, Start Num: 1
Candidate Starts for Shroomer_66:
(Start: 1 @34851 has 21 MA's), (3, 35076), (4, 35085), (8, 35181), (9, 35268), (11, 35337), (12, 35343),
(14, 35382), (16, 35607), (17, 35655), (18, 35682), (19, 35715),

Gene: Solimine_57 Start: 34149, Stop: 34919, Start Num: 1
Candidate Starts for Solimine_57:
(Start: 1 @34149 has 21 MA's), (2, 34248), (3, 34374), (5, 34443), (6, 34455), (7, 34461), (10, 34569),
(12, 34623), (13, 34638), (14, 34659), (15, 34824),

Gene: SteakFry_64 Start: 34917, Stop: 35849, Start Num: 1
Candidate Starts for SteakFry_64:
(Start: 1 @34917 has 21 MA's), (3, 35142), (4, 35151), (8, 35247), (9, 35334), (11, 35403), (12, 35409),
(14, 35448), (16, 35673), (17, 35721), (18, 35748), (19, 35781),

Gene: StevieWelch_62 Start: 34701, Stop: 35633, Start Num: 1
Candidate Starts for StevieWelch_62:
(Start: 1 @34701 has 21 MA's), (3, 34926), (4, 34935), (8, 35031), (9, 35118), (11, 35187), (12, 35193),
(14, 35232), (16, 35457), (18, 35532), (19, 35565),

Gene: Uterion_59 Start: 34244, Stop: 35014, Start Num: 1
Candidate Starts for Uterion_59:
(Start: 1 @34244 has 21 MA's), (2, 34343), (3, 34469), (5, 34538), (6, 34550), (7, 34556), (10, 34664),
(12, 34718), (13, 34733), (14, 34754), (15, 34919),

Gene: Welcome_63 Start: 35066, Stop: 35998, Start Num: 1
Candidate Starts for Welcome_63:
(Start: 1 @35066 has 21 MA's), (3, 35291), (4, 35300), (8, 35396), (9, 35483), (11, 35552), (12, 35558),
(14, 35597), (16, 35822), (17, 35870), (18, 35897), (19, 35930),

Gene: Yuma_61 Start: 34635, Stop: 35567, Start Num: 1
Candidate Starts for Yuma_61:
(Start: 1 @34635 has 21 MA's), (3, 34860), (4, 34869), (8, 34965), (9, 35052), (11, 35121), (12, 35127),
(14, 35166), (16, 35391), (17, 35439), (18, 35466), (19, 35499),