



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 86209 Report

This analysis was run 04/28/24 on database version 559.

Pham number 86209 has 31 members, 2 are drafts.

Phages represented in each track:

- Track 1 : VanDeWege_30, Salvador_27, KimmyK_29, Togo_27, Twister6_29, Wizard_27, Valary_30, Fireball_28, Halo3_28, Phlop_27, Danyall_29, Evamon_27, Barb_29, Jambalaya_27, Fugax_29, Nubi_27, PinkCoffee_29, PullumCavea_27, ClamChowder_29, SmokingBunny_27, Gezellig_28, Savbucketdawg_27
- Track 2 : YungMoney_29
- Track 3 : Mutzi_29
- Track 4 : Portcullis_27, RogerDodger_30, TillyBobJoe_27, Arri_30, Shinji_27
- Track 5 : Bakery_28
- Track 6 : Clown_31

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

The start number called the most often in the published annotations is 3, it was called in 29 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arri_30, Bakery_28, Barb_29, ClamChowder_29, Clown_31, Danyall_29, Evamon_27, Fireball_28, Fugax_29, Gezellig_28, Halo3_28, Jambalaya_27, KimmyK_29, Mutzi_29, Nubi_27, Phlop_27, PinkCoffee_29, Portcullis_27, PullumCavea_27, RogerDodger_30, Salvador_27, Savbucketdawg_27, Shinji_27, SmokingBunny_27, TillyBobJoe_27, Togo_27, Twister6_29, Valary_30, VanDeWege_30, Wizard_27, YungMoney_29,

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 3:

- Found in 31 of 31 (100.0%) of genes in pham
- Manual Annotations of this start: 29 of 29

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri_30 (DC1), Bakery_28 (DC1), Barb_29 (DC1), ClamChowder_29 (DC1), Clown_31 (DC2), Danyall_29 (DC1), Evamon_27 (DC1), Fireball_28 (DC1), Fugax_29 (DC1), Gezellig_28 (DC1), Halo3_28 (DC1), Jambalaya_27 (DC1), KimmyK_29 (DC1), Mutzi_29 (DC1), Nubi_27 (DC1), Phlop_27 (DC1), PinkCoffee_29 (DC1), Portcullis_27 (DC1), PullumCavea_27 (DC1), RogerDodger_30 (DC1), Salvador_27 (DC1), Savbucketdawg_27 (DC1), Shinji_27 (DC1), SmokingBunny_27 (DC1), TillyBobJoe_27 (DC1), Togo_27 (DC1), Twister6_29 (DC1), Valary_30 (DC1), VanDeWege_30 (DC1), Wizard_27 (DC1), YungMoney_29 (DC1),

Summary by clusters:

There are 2 clusters represented in this pham: DC2, DC1,

Info for manual annotations of cluster DC1:

- Start number 3 was manually annotated 28 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 3 was manually annotated 1 time for cluster DC2.

Gene Information:

Gene: Arri_30 Start: 18742, Stop: 19350, Start Num: 3

Candidate Starts for Arri_30:

(Start: 3 @18742 has 29 MA's), (4, 18913), (5, 18934), (6, 18937), (7, 18973), (8, 19018), (9, 19021), (12, 19078), (13, 19126), (14, 19171), (15, 19216),

Gene: Bakery_28 Start: 17989, Stop: 18579, Start Num: 3

Candidate Starts for Bakery_28:

(1, 17566), (2, 17665), (Start: 3 @17989 has 29 MA's), (4, 18157), (5, 18178), (6, 18181), (7, 18217), (8, 18262), (9, 18265), (11, 18313), (12, 18322), (14, 18415),

Gene: Barb_29 Start: 18775, Stop: 19368, Start Num: 3

Candidate Starts for Barb_29:

(Start: 3 @18775 has 29 MA's), (4, 18946), (5, 18967), (6, 18970), (7, 19006), (8, 19051), (9, 19054), (12, 19111), (13, 19159), (14, 19204),

Gene: ClamChowder_29 Start: 18775, Stop: 19368, Start Num: 3

Candidate Starts for ClamChowder_29:

(Start: 3 @18775 has 29 MA's), (4, 18946), (5, 18967), (6, 18970), (7, 19006), (8, 19051), (9, 19054), (12, 19111), (13, 19159), (14, 19204),

Gene: Clown_31 Start: 20704, Stop: 21276, Start Num: 3

Candidate Starts for Clown_31:

(Start: 3 @20704 has 29 MA's), (8, 20977), (9, 20980), (10, 21016), (12, 21037), (14, 21130),

Gene: Danyall_29 Start: 18575, Stop: 19168, Start Num: 3

Candidate Starts for Danyall_29:

(Start: 3 @18575 has 29 MA's), (4, 18746), (5, 18767), (6, 18770), (7, 18806), (8, 18851), (9, 18854), (12, 18911), (13, 18959), (14, 19004),

Gene: Evamon_27 Start: 18061, Stop: 18654, Start Num: 3

Candidate Starts for Evamon_27:

(Start: 3 @18061 has 29 MA's), (4, 18232), (5, 18253), (6, 18256), (7, 18292), (8, 18337), (9, 18340), (12, 18397), (13, 18445), (14, 18490),

Gene: Fireball_28 Start: 18193, Stop: 18786, Start Num: 3

Candidate Starts for Fireball_28:

(Start: 3 @18193 has 29 MA's), (4, 18364), (5, 18385), (6, 18388), (7, 18424), (8, 18469), (9, 18472), (12, 18529), (13, 18577), (14, 18622),

Gene: Fugax_29 Start: 18775, Stop: 19368, Start Num: 3

Candidate Starts for Fugax_29:

(Start: 3 @18775 has 29 MA's), (4, 18946), (5, 18967), (6, 18970), (7, 19006), (8, 19051), (9, 19054), (12, 19111), (13, 19159), (14, 19204),

Gene: Gezellig_28 Start: 18193, Stop: 18786, Start Num: 3

Candidate Starts for Gezellig_28:

(Start: 3 @18193 has 29 MA's), (4, 18364), (5, 18385), (6, 18388), (7, 18424), (8, 18469), (9, 18472), (12, 18529), (13, 18577), (14, 18622),

Gene: Halo3_28 Start: 18486, Stop: 19079, Start Num: 3

Candidate Starts for Halo3_28:

(Start: 3 @18486 has 29 MA's), (4, 18657), (5, 18678), (6, 18681), (7, 18717), (8, 18762), (9, 18765), (12, 18822), (13, 18870), (14, 18915),

Gene: Jambalaya_27 Start: 17840, Stop: 18433, Start Num: 3

Candidate Starts for Jambalaya_27:

(Start: 3 @17840 has 29 MA's), (4, 18011), (5, 18032), (6, 18035), (7, 18071), (8, 18116), (9, 18119), (12, 18176), (13, 18224), (14, 18269),

Gene: KimmyK_29 Start: 18775, Stop: 19368, Start Num: 3

Candidate Starts for KimmyK_29:

(Start: 3 @18775 has 29 MA's), (4, 18946), (5, 18967), (6, 18970), (7, 19006), (8, 19051), (9, 19054), (12, 19111), (13, 19159), (14, 19204),

Gene: Mutzi_29 Start: 18508, Stop: 19098, Start Num: 3

Candidate Starts for Mutzi_29:

(Start: 3 @18508 has 29 MA's), (4, 18676), (5, 18697), (6, 18700), (7, 18736), (8, 18781), (9, 18784), (12, 18841), (13, 18889), (14, 18934), (15, 18979),

Gene: Nubi_27 Start: 18081, Stop: 18674, Start Num: 3

Candidate Starts for Nubi_27:

(Start: 3 @18081 has 29 MA's), (4, 18252), (5, 18273), (6, 18276), (7, 18312), (8, 18357), (9, 18360), (12, 18417), (13, 18465), (14, 18510),

Gene: Phlop_27 Start: 18145, Stop: 18738, Start Num: 3

Candidate Starts for Phlop_27:

(Start: 3 @18145 has 29 MA's), (4, 18316), (5, 18337), (6, 18340), (7, 18376), (8, 18421), (9, 18424), (12, 18481), (13, 18529), (14, 18574),

Gene: PinkCoffee_29 Start: 18784, Stop: 19377, Start Num: 3

Candidate Starts for PinkCoffee_29:

(Start: 3 @18784 has 29 MA's), (4, 18955), (5, 18976), (6, 18979), (7, 19015), (8, 19060), (9, 19063), (12, 19120), (13, 19168), (14, 19213),

Gene: Portcullis_27 Start: 18088, Stop: 18696, Start Num: 3

Candidate Starts for Portcullis_27:

(Start: 3 @18088 has 29 MA's), (4, 18259), (5, 18280), (6, 18283), (7, 18319), (8, 18364), (9, 18367), (12, 18424), (13, 18472), (14, 18517), (15, 18562),

Gene: PullumCavea_27 Start: 18145, Stop: 18738, Start Num: 3

Candidate Starts for PullumCavea_27:

(Start: 3 @18145 has 29 MA's), (4, 18316), (5, 18337), (6, 18340), (7, 18376), (8, 18421), (9, 18424), (12, 18481), (13, 18529), (14, 18574),

Gene: RogerDodger_30 Start: 18938, Stop: 19546, Start Num: 3

Candidate Starts for RogerDodger_30:

(Start: 3 @18938 has 29 MA's), (4, 19109), (5, 19130), (6, 19133), (7, 19169), (8, 19214), (9, 19217), (12, 19274), (13, 19322), (14, 19367), (15, 19412),

Gene: Salvador_27 Start: 18059, Stop: 18652, Start Num: 3

Candidate Starts for Salvador_27:

(Start: 3 @18059 has 29 MA's), (4, 18230), (5, 18251), (6, 18254), (7, 18290), (8, 18335), (9, 18338), (12, 18395), (13, 18443), (14, 18488),

Gene: Savbucketdawg_27 Start: 17840, Stop: 18433, Start Num: 3

Candidate Starts for Savbucketdawg_27:

(Start: 3 @17840 has 29 MA's), (4, 18011), (5, 18032), (6, 18035), (7, 18071), (8, 18116), (9, 18119), (12, 18176), (13, 18224), (14, 18269),

Gene: Shinji_27 Start: 18029, Stop: 18637, Start Num: 3

Candidate Starts for Shinji_27:

(Start: 3 @18029 has 29 MA's), (4, 18200), (5, 18221), (6, 18224), (7, 18260), (8, 18305), (9, 18308), (12, 18365), (13, 18413), (14, 18458), (15, 18503),

Gene: SmokingBunny_27 Start: 18059, Stop: 18652, Start Num: 3

Candidate Starts for SmokingBunny_27:

(Start: 3 @18059 has 29 MA's), (4, 18230), (5, 18251), (6, 18254), (7, 18290), (8, 18335), (9, 18338), (12, 18395), (13, 18443), (14, 18488),

Gene: TillyBobJoe_27 Start: 17843, Stop: 18451, Start Num: 3

Candidate Starts for TillyBobJoe_27:

(Start: 3 @17843 has 29 MA's), (4, 18014), (5, 18035), (6, 18038), (7, 18074), (8, 18119), (9, 18122), (12, 18179), (13, 18227), (14, 18272), (15, 18317),

Gene: Togo_27 Start: 18059, Stop: 18652, Start Num: 3

Candidate Starts for Togo_27:

(Start: 3 @18059 has 29 MA's), (4, 18230), (5, 18251), (6, 18254), (7, 18290), (8, 18335), (9, 18338), (12, 18395), (13, 18443), (14, 18488),

Gene: Twister6_29 Start: 18486, Stop: 19079, Start Num: 3

Candidate Starts for Twister6_29:

(Start: 3 @18486 has 29 MA's), (4, 18657), (5, 18678), (6, 18681), (7, 18717), (8, 18762), (9, 18765), (12, 18822), (13, 18870), (14, 18915),

Gene: Valary_30 Start: 18992, Stop: 19585, Start Num: 3

Candidate Starts for Valary_30:

(Start: 3 @18992 has 29 MA's), (4, 19163), (5, 19184), (6, 19187), (7, 19223), (8, 19268), (9, 19271), (12, 19328), (13, 19376), (14, 19421),

Gene: VanDeWege_30 Start: 18867, Stop: 19460, Start Num: 3

Candidate Starts for VanDeWege_30:

(Start: 3 @18867 has 29 MA's), (4, 19038), (5, 19059), (6, 19062), (7, 19098), (8, 19143), (9, 19146), (12, 19203), (13, 19251), (14, 19296),

Gene: Wizard_27 Start: 18193, Stop: 18786, Start Num: 3

Candidate Starts for Wizard_27:

(Start: 3 @18193 has 29 MA's), (4, 18364), (5, 18385), (6, 18388), (7, 18424), (8, 18469), (9, 18472), (12, 18529), (13, 18577), (14, 18622),

Gene: YungMoney_29 Start: 19556, Stop: 20146, Start Num: 3

Candidate Starts for YungMoney_29:

(Start: 3 @19556 has 29 MA's), (4, 19724), (5, 19745), (6, 19748), (7, 19784), (8, 19829), (9, 19832), (12, 19889), (14, 19982),