

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 308966 Report

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

Pham number 308966 has 35 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Pablito_41
- Track 2 : Triumph_43, Axiom_42
- Track 3 : Marav_45, Jevington_44
- Track 4 : Amethyst_41, Haizum_43, Nishikigoi_43, Tefunt_43
- Track 5 : GirlDinner_41, Janus_42
- Track 6 : Puginator_44
- Track 7 : Bowden_42, TrvxScott_41, TinaBelcher_42, Thestral_43
- Track 8 : ELB20_40, R4_42
- Track 9 : Loofah_42, Paedore_41
- Track 10 : Andris_41
- Track 11 : Diane_41
- Track 12 : SqueakyClean_41
- Track 13 : Animus_41
- Track 14 : Caelum_43
- Track 15 : Issmi_43
- Track 16 : Hank144_43
- Track 17 : Omar_44
- Track 18 : Alvy_44
- Track 19 : BartholomewSD_44
- Track 20 : Paolo_44, Zainub_44
- Track 21 : GreenWeasel_43
- Track 22 : BroPlease_42
- Track 23 : phiHau3_43

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 35 of the 35 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alvy_44, Amethyst_41, Andris_41, Animus_41, Axiom_42, BartholomewSD_44, Bowden_42, BroPlease_42, Caelum_43, Diane_41, ELB20_40, GirlDinner_41, GreenWeasel_43, Haizum_43, Hank144_43, Issmi_43, Janus_42, Jevington_44, Loofah_42, Marav_45, Nishikigoi_43, Omar_44, Pablito_41, Paedore_41, Paolo_44,

Puginator_44, R4_42, SqueakyClean_41, Tefunt_43, Thestral_43, TinaBelcher_42, Triumph_43, TrvxScott_41, Zainub_44, phiHau3_43,

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 35 of 35 (100.0%) of genes in pham
- Manual Annotations of this start: 35 of 35
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alvy_44 (BD2), Amethyst_41 (BD2), Andris_41 (BD2), Animus_41 (BD2), Axiom_42 (BD2), BartholomewSD_44 (BD2), Bowden_42 (BD2), BroPlease_42 (BD4), Caelum_43 (BD2), Diane_41 (BD2), ELB20_40 (BD2), GirlDinner_41 (BD2), GreenWeasel_43 (BD4), Haizum_43 (BD2), Hank144_43 (BD2), Issmi_43 (BD2), Janus_42 (BD2), Jevington_44 (BD2), Loofah_42 (BD2), Marav_45 (BD2), Nishikigoi_43 (BD2), Omar_44 (BD2), Pablito_41 (BD2), Paedore_41 (BD2), Paolo_44 (BD2), Puginator_44 (BD2), R4_42 (BD2), SqueakyClean_41 (BD2), Tefunt_43 (BD2), Thestral_43 (BD2), TinaBelcher_42 (BD2), Triumph_43 (BD2), TrvxScott_41 (BD2), Zainub_44 (BD2), phiHau3_43 (BD4),

Summary by clusters:

There are 2 clusters represented in this pham: BD4, BD2,

Info for manual annotations of cluster BD2:

- Start number 3 was manually annotated 32 times for cluster BD2.

Info for manual annotations of cluster BD4:

- Start number 3 was manually annotated 3 times for cluster BD4.

Gene Information:

Gene: Alvy_44 Start: 30364, Stop: 30567, Start Num: 3

Candidate Starts for Alvy_44:

(Start: 3 @30364 has 35 MA's), (7, 30442), (8, 30463), (12, 30532), (13, 30550),

Gene: Amethyst_41 Start: 29730, Stop: 29933, Start Num: 3

Candidate Starts for Amethyst_41:

(Start: 3 @29730 has 35 MA's), (5, 29778), (7, 29808), (8, 29829), (9, 29874), (12, 29898),

Gene: Andris_41 Start: 29786, Stop: 29995, Start Num: 3

Candidate Starts for Andris_41:

(Start: 3 @29786 has 35 MA's), (7, 29870), (8, 29891), (11, 29954), (13, 29978), (14, 29984),

Gene: Animus_41 Start: 30216, Stop: 30425, Start Num: 3

Candidate Starts for Animus_41:

(2, 30054), (Start: 3 @30216 has 35 MA's), (7, 30300), (12, 30390),

Gene: Axiom_42 Start: 29986, Stop: 30195, Start Num: 3

Candidate Starts for Axiom_42:

(Start: 3 @29986 has 35 MA's), (7, 30070), (8, 30091), (13, 30178), (14, 30184),

Gene: BartholomewSD_44 Start: 30363, Stop: 30566, Start Num: 3

Candidate Starts for BartholomewSD_44:

(Start: 3 @30363 has 35 MA's), (7, 30441), (8, 30462), (12, 30531), (13, 30549),

Gene: Bowden_42 Start: 30284, Stop: 30481, Start Num: 3

Candidate Starts for Bowden_42:

(Start: 3 @30284 has 35 MA's), (7, 30356), (8, 30377), (12, 30446),

Gene: BroPlease_42 Start: 29286, Stop: 29501, Start Num: 3

Candidate Starts for BroPlease_42:

(Start: 3 @29286 has 35 MA's), (6, 29355), (7, 29376), (11, 29460), (12, 29466), (13, 29484),

Gene: Caelum_43 Start: 29965, Stop: 30174, Start Num: 3

Candidate Starts for Caelum_43:

(Start: 3 @29965 has 35 MA's), (4, 30013), (8, 30070), (12, 30139),

Gene: Diane_41 Start: 29959, Stop: 30162, Start Num: 3

Candidate Starts for Diane_41:

(Start: 3 @29959 has 35 MA's), (7, 30037), (8, 30058), (12, 30127),

Gene: ELB20_40 Start: 30391, Stop: 30603, Start Num: 3

Candidate Starts for ELB20_40:

(Start: 3 @30391 has 35 MA's), (7, 30478), (8, 30499), (10, 30559), (12, 30568), (13, 30586), (14, 30592),

Gene: GirlDinner_41 Start: 29717, Stop: 29926, Start Num: 3

Candidate Starts for GirlDinner_41:

(Start: 3 @29717 has 35 MA's), (7, 29801), (12, 29891),

Gene: GreenWeasel_43 Start: 29293, Stop: 29508, Start Num: 3

Candidate Starts for GreenWeasel_43:

(Start: 3 @29293 has 35 MA's), (6, 29362), (7, 29383), (12, 29473), (13, 29491),

Gene: Haizum_43 Start: 30074, Stop: 30277, Start Num: 3

Candidate Starts for Haizum_43:

(Start: 3 @30074 has 35 MA's), (5, 30122), (7, 30152), (8, 30173), (9, 30218), (12, 30242),

Gene: Hank144_43 Start: 30072, Stop: 30293, Start Num: 3

Candidate Starts for Hank144_43:

(Start: 3 @30072 has 35 MA's), (7, 30168), (8, 30189), (12, 30258), (13, 30276), (14, 30282),

Gene: Issmi_43 Start: 30661, Stop: 30864, Start Num: 3

Candidate Starts for Issmi_43:

(1, 30454), (Start: 3 @30661 has 35 MA's), (7, 30739), (8, 30760), (12, 30829),

Gene: Janus_42 Start: 30057, Stop: 30266, Start Num: 3

Candidate Starts for Janus_42:

(Start: 3 @30057 has 35 MA's), (7, 30141), (12, 30231),

Gene: Jevington_44 Start: 30451, Stop: 30672, Start Num: 3

Candidate Starts for Jevington_44:

(Start: 3 @30451 has 35 MA's), (7, 30547), (8, 30568), (12, 30637), (14, 30661),

Gene: Loofah_42 Start: 30261, Stop: 30473, Start Num: 3

Candidate Starts for Loofah_42:

(Start: 3 @30261 has 35 MA's), (7, 30348), (8, 30369), (10, 30429), (12, 30438), (13, 30456), (14, 30462),

Gene: Marav_45 Start: 30776, Stop: 30994, Start Num: 3

Candidate Starts for Marav_45:

(Start: 3 @30776 has 35 MA's), (7, 30869), (8, 30890), (12, 30959), (14, 30983),

Gene: Nishikigoi_43 Start: 30074, Stop: 30277, Start Num: 3

Candidate Starts for Nishikigoi_43:

(Start: 3 @30074 has 35 MA's), (5, 30122), (7, 30152), (8, 30173), (9, 30218), (12, 30242),

Gene: Omar_44 Start: 30298, Stop: 30477, Start Num: 3

Candidate Starts for Omar_44:

(1, 30079), (Start: 3 @30298 has 35 MA's), (7, 30352), (8, 30373), (12, 30442),

Gene: Pablito_41 Start: 29647, Stop: 29859, Start Num: 3

Candidate Starts for Pablito_41:

(Start: 3 @29647 has 35 MA's), (7, 29734), (8, 29755), (12, 29824), (13, 29842), (14, 29848),

Gene: Paedore_41 Start: 30246, Stop: 30458, Start Num: 3

Candidate Starts for Paedore_41:

(Start: 3 @30246 has 35 MA's), (7, 30333), (8, 30354), (10, 30414), (12, 30423), (13, 30441), (14, 30447),

Gene: Paolo_44 Start: 30639, Stop: 30857, Start Num: 3

Candidate Starts for Paolo_44:

(Start: 3 @30639 has 35 MA's), (7, 30732), (8, 30753), (12, 30822), (14, 30846),

Gene: Puginator_44 Start: 30657, Stop: 30875, Start Num: 3

Candidate Starts for Puginator_44:

(1, 30444), (Start: 3 @30657 has 35 MA's), (7, 30750), (8, 30771), (12, 30840),

Gene: R4_42 Start: 30401, Stop: 30613, Start Num: 3

Candidate Starts for R4_42:

(Start: 3 @30401 has 35 MA's), (7, 30488), (8, 30509), (10, 30569), (12, 30578), (13, 30596), (14, 30602),

Gene: SqueakyClean_41 Start: 30148, Stop: 30357, Start Num: 3

Candidate Starts for SqueakyClean_41:

(Start: 3 @30148 has 35 MA's), (7, 30232), (10, 30313), (12, 30322),

Gene: Tefunt_43 Start: 30076, Stop: 30279, Start Num: 3

Candidate Starts for Tefunt_43:

(Start: 3 @30076 has 35 MA's), (5, 30124), (7, 30154), (8, 30175), (9, 30220), (12, 30244),

Gene: Thestral_43 Start: 30276, Stop: 30473, Start Num: 3
Candidate Starts for Thestral_43:
(Start: 3 @30276 has 35 MA's), (7, 30348), (8, 30369), (12, 30438),

Gene: TinaBelcher_42 Start: 30223, Stop: 30420, Start Num: 3
Candidate Starts for TinaBelcher_42:
(Start: 3 @30223 has 35 MA's), (7, 30295), (8, 30316), (12, 30385),

Gene: Triumph_43 Start: 30003, Stop: 30212, Start Num: 3
Candidate Starts for Triumph_43:
(Start: 3 @30003 has 35 MA's), (7, 30087), (8, 30108), (13, 30195), (14, 30201),

Gene: TrvxScott_41 Start: 30269, Stop: 30466, Start Num: 3
Candidate Starts for TrvxScott_41:
(Start: 3 @30269 has 35 MA's), (7, 30341), (8, 30362), (12, 30431),

Gene: Zainub_44 Start: 30600, Stop: 30818, Start Num: 3
Candidate Starts for Zainub_44:
(Start: 3 @30600 has 35 MA's), (7, 30693), (8, 30714), (12, 30783), (14, 30807),

Gene: phiHau3_43 Start: 29261, Stop: 29476, Start Num: 3
Candidate Starts for phiHau3_43:
(Start: 3 @29261 has 35 MA's), (6, 29330), (7, 29351), (11, 29435), (12, 29441), (13, 29459),