

Pham 195755



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 195755 Report

This analysis was run 12/09/24 on database version 580.

Pham number 195755 has 24 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Scarlett_58, LeMond_58, KiSi_58
- Track 2 : Validus_59
- Track 3 : Chris_56
- Track 4 : MarkPhew_57
- Track 5 : Nibb_56
- Track 6 : Oscar_58
- Track 7 : Hurricane_55
- Track 8 : TBond007_53, Pixie_54
- Track 9 : Pharb_53
- Track 10 : MacnCheese_57
- Track 11 : ShedlockHolmes_56
- Track 12 : TribbleTrouble_53
- Track 13 : Keshu_57
- Track 14 : Fefferhead_54, Ellie_52
- Track 15 : DarthP_56, Amohnition_56
- Track 16 : Hammy_56
- Track 17 : Yuna_60
- Track 18 : Ekdilam_54
- Track 19 : Amgine_55

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

The start number called the most often in the published annotations is 14, it was called in 19 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amgine_55, Amohnition_56, Chris_56, DarthP_56, Ekdilam_54, Ellie_52, Fefferhead_54, Hammy_56, Keshu_57, KiSi_58, LeMond_58, MarkPhew_57, Nibb_56, Oscar_58, Pharb_53, Scarlett_58, TribbleTrouble_53, Validus_59, Yuna_60,

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

- Hurricane_55, MacnCheese_57, Pixie_54, ShedlockHolmes_56, TBond007_53,

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

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Summary by start number:

Start 13:

- Found in 5 of 24 (20.8%) of genes in pham
- Manual Annotations of this start: 5 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hurricane_55 (K3), MacnCheese_57 (K3), Pixie_54 (K3), ShedlockHolmes_56 (K3), TBond007_53 (K3),

Start 14:

- Found in 24 of 24 (100.0%) of genes in pham
- Manual Annotations of this start: 19 of 24
- Called 79.2% of time when present
- Phage (with cluster) where this start called: Amgine_55 (K6), Amohnition_56 (K6), Chris_56 (K1), DarthP_56 (K6), Ekdilam_54 (K6), Ellie_52 (K6), Fefferhead_54 (K6), Hammy_56 (K6), Keshu_57 (K3), KiSi_58 (K1), LeMond_58 (K1), MarkPhew_57 (K1), Nibb_56 (K1), Oscar_58 (K1), Pharb_53 (K3), Scarlett_58 (K1), Tribleshoot_53 (K3), Validus_59 (K1), Yuna_60 (K6),

Summary by clusters:

There are 3 clusters represented in this pham: K3, K1, K6,

Info for manual annotations of cluster K1:

- Start number 14 was manually annotated 8 times for cluster K1.

Info for manual annotations of cluster K3:

- Start number 13 was manually annotated 5 times for cluster K3.
- Start number 14 was manually annotated 3 times for cluster K3.

Info for manual annotations of cluster K6:

- Start number 14 was manually annotated 8 times for cluster K6.

Gene Information:

Gene: Amgine_55 Start: 40361, Stop: 40816, Start Num: 14

Candidate Starts for Amgine_55:

(5, 40199), (7, 40247), (Start: 14 @40361 has 19 MA's), (19, 40514), (24, 40583), (38, 40700), (40, 40742),

Gene: Amohnition_56 Start: 39941, Stop: 40408, Start Num: 14

Candidate Starts for Amohnition_56:

(5, 39785), (Start: 14 @39941 has 19 MA's), (19, 40091), (24, 40160), (38, 40289), (41, 40340), (42, 40346),

Gene: Chris_56 Start: 39748, Stop: 40203, Start Num: 14

Candidate Starts for Chris_56:

(5, 39586), (7, 39634), (Start: 14 @39748 has 19 MA's), (16, 39814), (19, 39898), (22, 39958), (24, 39967), (25, 39973), (26, 39988), (30, 40021), (31, 40033), (35, 40060), (38, 40093), (44, 40198),

Gene: DarthP_56 Start: 39825, Stop: 40292, Start Num: 14

Candidate Starts for DarthP_56:

(5, 39669), (Start: 14 @39825 has 19 MA's), (19, 39975), (24, 40044), (38, 40173), (41, 40224), (42, 40230),

Gene: Ekdilam_54 Start: 39830, Stop: 40297, Start Num: 14

Candidate Starts for Ekdilam_54:

(2, 39578), (4, 39590), (7, 39716), (Start: 14 @39830 has 19 MA's), (24, 40049), (28, 40076), (32, 40112), (38, 40178), (39, 40181), (40, 40220),

Gene: Ellie_52 Start: 39193, Stop: 39645, Start Num: 14

Candidate Starts for Ellie_52:

(5, 39040), (Start: 14 @39193 has 19 MA's), (19, 39343), (24, 39412), (38, 39529), (40, 39571),

Gene: Fefferhead_54 Start: 39140, Stop: 39592, Start Num: 14

Candidate Starts for Fefferhead_54:

(5, 38987), (Start: 14 @39140 has 19 MA's), (19, 39290), (24, 39359), (38, 39476), (40, 39518),

Gene: Hammy_56 Start: 39813, Stop: 40280, Start Num: 14

Candidate Starts for Hammy_56:

(5, 39657), (Start: 14 @39813 has 19 MA's), (19, 39963), (24, 40032), (29, 40062), (38, 40161), (41, 40212), (42, 40218),

Gene: Hurricane_55 Start: 39527, Stop: 39946, Start Num: 13

Candidate Starts for Hurricane_55:

(3, 39296), (6, 39380), (9, 39434), (12, 39491), (Start: 13 @39527 has 5 MA's), (Start: 14 @39536 has 19 MA's), (23, 39746), (30, 39770), (32, 39779), (38, 39836), (39, 39839), (40, 39878),

Gene: Keshu_57 Start: 39634, Stop: 40044, Start Num: 14

Candidate Starts for Keshu_57:

(Start: 14 @39634 has 19 MA's), (19, 39784), (20, 39817), (23, 39844), (30, 39868), (32, 39877), (33, 39883), (38, 39934), (39, 39937), (40, 39976),

Gene: KiSi_58 Start: 39779, Stop: 40234, Start Num: 14

Candidate Starts for KiSi_58:

(2, 39527), (4, 39539), (5, 39617), (7, 39665), (Start: 14 @39779 has 19 MA's), (16, 39845), (17, 39911), (24, 39998), (28, 40031), (35, 40091), (36, 40103), (37, 40121), (38, 40124), (39, 40127), (40, 40166), (44, 40229),

Gene: LeMond_58 Start: 39760, Stop: 40215, Start Num: 14

Candidate Starts for LeMond_58:

(2, 39508), (4, 39520), (5, 39598), (7, 39646), (Start: 14 @39760 has 19 MA's), (16, 39826), (17, 39892), (24, 39979), (28, 40012), (35, 40072), (36, 40084), (37, 40102), (38, 40105), (39, 40108), (40, 40147), (44, 40210),

Gene: MacnCheese_57 Start: 40122, Stop: 40535, Start Num: 13

Candidate Starts for MacnCheese_57:

(10, 40041), (12, 40086), (Start: 13 @40122 has 5 MA's), (Start: 14 @40131 has 19 MA's), (30, 40362), (37, 40413), (38, 40416), (40, 40458), (43, 40518),

Gene: MarkPhew_57 Start: 39451, Stop: 39903, Start Num: 14

Candidate Starts for MarkPhew_57:

(2, 39199), (4, 39211), (5, 39289), (Start: 14 @39451 has 19 MA's), (19, 39601), (24, 39670), (30, 39721), (37, 39790), (38, 39793), (39, 39796), (44, 39898),

Gene: Nibb_56 Start: 39155, Stop: 39607, Start Num: 14

Candidate Starts for Nibb_56:

(2, 38903), (4, 38915), (5, 38993), (7, 39041), (Start: 14 @39155 has 19 MA's), (19, 39305), (21, 39362), (30, 39425), (37, 39494), (38, 39497), (39, 39500), (44, 39602),

Gene: Oscar_58 Start: 39665, Stop: 40120, Start Num: 14

Candidate Starts for Oscar_58:

(2, 39413), (4, 39425), (5, 39503), (7, 39551), (Start: 14 @39665 has 19 MA's), (16, 39731), (17, 39797), (24, 39884), (28, 39917), (35, 39977), (36, 39989), (37, 40007), (38, 40010), (39, 40013), (40, 40052), (44, 40115),

Gene: Pharb_53 Start: 38444, Stop: 38890, Start Num: 14

Candidate Starts for Pharb_53:

(1, 38183), (2, 38195), (5, 38285), (8, 38342), (Start: 14 @38444 has 19 MA's), (19, 38594), (20, 38627), (21, 38648), (30, 38678), (38, 38732),

Gene: Pixie_54 Start: 39065, Stop: 39484, Start Num: 13

Candidate Starts for Pixie_54:

(2, 38825), (3, 38834), (6, 38918), (9, 38972), (12, 39029), (Start: 13 @39065 has 5 MA's), (Start: 14 @39074 has 19 MA's), (19, 39224), (20, 39257), (23, 39284), (30, 39308), (32, 39317), (38, 39374), (39, 39377), (40, 39416),

Gene: Scarlett_58 Start: 39660, Stop: 40115, Start Num: 14

Candidate Starts for Scarlett_58:

(2, 39408), (4, 39420), (5, 39498), (7, 39546), (Start: 14 @39660 has 19 MA's), (16, 39726), (17, 39792), (24, 39879), (28, 39912), (35, 39972), (36, 39984), (37, 40002), (38, 40005), (39, 40008), (40, 40047), (44, 40110),

Gene: ShedlockHolmes_56 Start: 39584, Stop: 40003, Start Num: 13

Candidate Starts for ShedlockHolmes_56:

(3, 39353), (6, 39437), (9, 39491), (12, 39548), (Start: 13 @39584 has 5 MA's), (Start: 14 @39593 has 19 MA's), (23, 39803), (30, 39827), (33, 39842), (38, 39893), (39, 39896), (40, 39935),

Gene: TBond007_53 Start: 39064, Stop: 39483, Start Num: 13

Candidate Starts for TBond007_53:

(2, 38824), (3, 38833), (6, 38917), (9, 38971), (12, 39028), (Start: 13 @39064 has 5 MA's), (Start: 14 @39073 has 19 MA's), (19, 39223), (20, 39256), (23, 39283), (30, 39307), (32, 39316), (38, 39373), (39, 39376), (40, 39415),

Gene: TribbleTrouble_53 Start: 39295, Stop: 39714, Start Num: 14

Candidate Starts for TribbleTrouble_53:

(5, 39136), (7, 39184), (Start: 14 @39295 has 19 MA's), (20, 39478), (23, 39505), (30, 39529), (32, 39538), (33, 39544), (38, 39595), (39, 39598),

Gene: Validus_59 Start: 40022, Stop: 40411, Start Num: 14

Candidate Starts for Validus_59:

(2, 39767), (4, 39779), (5, 39857), (7, 39908), (11, 39977), (Start: 14 @40022 has 19 MA's), (15, 40070), (21, 40226), (30, 40256), (34, 40271), (38, 40295), (39, 40298), (40, 40337),

Gene: Yuna_60 Start: 40495, Stop: 40959, Start Num: 14

Candidate Starts for Yuna_60:

(2, 40240), (5, 40330), (7, 40381), (8, 40390), (Start: 14 @40495 has 19 MA's), (18, 40630), (27, 40744), (28, 40747), (30, 40771), (37, 40837), (38, 40840), (39, 40843),