



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 309184 Report

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

Pham number 309184 has 24 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Mcshane_93, Megamind20_93, Selr12_95, Andre_95, Slatt_93, Scrick_92, Cornbread_91, Orwigg_92, FleetyMac_95, Pacifista_93, Charles1_94, True_92, Olak_93, DirtJuice_92, FremontTroll_91, Burr_93, BoogieWoogie_92
- Track 2 : LunaBlu_43, Enzomatic_45, Fruitloop_38, Polo2Bam_44, Melissauren88_39, SeaLumen_44, Batiatus_39

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

The start number called the most often in the published annotations is 2, it was called in 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Andre_95, Batiatus_39, BoogieWoogie_92, Burr_93, Charles1_94, Cornbread_91, DirtJuice_92, Enzomatic_45, FleetyMac_95, FremontTroll_91, Fruitloop_38, LunaBlu_43, Mcshane_93, Megamind20_93, Melissauren88_39, Olak_93, Orwigg_92, Pacifista_93, Polo2Bam_44, Scrick_92, SeaLumen_44, Selr12_95, Slatt_93, True_92,

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 2:

- Found in 24 of 24 (100.0%) of genes in pham
- Manual Annotations of this start: 17 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Andre_95 (B1), Batiatus_39 (F1), BoogieWoogie_92 (B1), Burr_93 (B1), Charles1_94 (B1), Cornbread_91 (B1), DirtJuice_92 (B1), Enzomatic_45 (F1), FleetyMac_95 (B1), FremontTroll_91 (B1), Fruitloop_38 (F1), LunaBlu_43 (F1), Mcshane_93 (B1), Megamind20_93 (B1),

Melissauren88_39 (F1), Olak_93 (B1), Orwigg_92 (B1), Pacifista_93 (B1), Polo2Bam_44 (F1), Scrick_92 (B1), SeaLumen_44 (F1), Selr12_95 (B1), Slatt_93 (B1), True_92 (B1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, B1,

Info for manual annotations of cluster B1:

•Start number 2 was manually annotated 13 times for cluster B1.

Info for manual annotations of cluster F1:

•Start number 2 was manually annotated 4 times for cluster F1.

Gene Information:

Gene: Andre_95 Start: 65308, Stop: 65102, Start Num: 2

Candidate Starts for Andre_95:

(1, 65338), (Start: 2 @65308 has 17 MA's), (3, 65263), (4, 65260), (5, 65191),

Gene: Batiatus_39 Start: 31386, Stop: 31150, Start Num: 2

Candidate Starts for Batiatus_39:

(Start: 2 @31386 has 17 MA's), (3, 31341), (4, 31338), (5, 31269), (6, 31218),

Gene: BoogieWoogie_92 Start: 64871, Stop: 64665, Start Num: 2

Candidate Starts for BoogieWoogie_92:

(1, 64901), (Start: 2 @64871 has 17 MA's), (3, 64826), (4, 64823), (5, 64754),

Gene: Burr_93 Start: 64911, Stop: 64705, Start Num: 2

Candidate Starts for Burr_93:

(1, 64941), (Start: 2 @64911 has 17 MA's), (3, 64866), (4, 64863), (5, 64794),

Gene: Charles1_94 Start: 65219, Stop: 65013, Start Num: 2

Candidate Starts for Charles1_94:

(1, 65249), (Start: 2 @65219 has 17 MA's), (3, 65174), (4, 65171), (5, 65102),

Gene: Cornbread_91 Start: 65093, Stop: 64887, Start Num: 2

Candidate Starts for Cornbread_91:

(1, 65123), (Start: 2 @65093 has 17 MA's), (3, 65048), (4, 65045), (5, 64976),

Gene: DirtJuice_92 Start: 65357, Stop: 65151, Start Num: 2

Candidate Starts for DirtJuice_92:

(1, 65387), (Start: 2 @65357 has 17 MA's), (3, 65312), (4, 65309), (5, 65240),

Gene: Enzomatic_45 Start: 31582, Stop: 31346, Start Num: 2

Candidate Starts for Enzomatic_45:

(Start: 2 @31582 has 17 MA's), (3, 31537), (4, 31534), (5, 31465), (6, 31414),

Gene: FleetyMac_95 Start: 65090, Stop: 64884, Start Num: 2

Candidate Starts for FleetyMac_95:

(1, 65120), (Start: 2 @65090 has 17 MA's), (3, 65045), (4, 65042), (5, 64973),

Gene: FremontTroll_91 Start: 65516, Stop: 65310, Start Num: 2
Candidate Starts for FremontTroll_91:
(1, 65546), (Start: 2 @65516 has 17 MA's), (3, 65471), (4, 65468), (5, 65399),

Gene: Fruitloop_38 Start: 31549, Stop: 31313, Start Num: 2
Candidate Starts for Fruitloop_38:
(Start: 2 @31549 has 17 MA's), (3, 31504), (4, 31501), (5, 31432), (6, 31381),

Gene: LunaBlu_43 Start: 32418, Stop: 32182, Start Num: 2
Candidate Starts for LunaBlu_43:
(Start: 2 @32418 has 17 MA's), (3, 32373), (4, 32370), (5, 32301), (6, 32250),

Gene: Mcshane_93 Start: 64897, Stop: 64691, Start Num: 2
Candidate Starts for Mcshane_93:
(1, 64927), (Start: 2 @64897 has 17 MA's), (3, 64852), (4, 64849), (5, 64780),

Gene: Megamind20_93 Start: 64861, Stop: 64655, Start Num: 2
Candidate Starts for Megamind20_93:
(1, 64891), (Start: 2 @64861 has 17 MA's), (3, 64816), (4, 64813), (5, 64744),

Gene: Melissauren88_39 Start: 31545, Stop: 31309, Start Num: 2
Candidate Starts for Melissauren88_39:
(Start: 2 @31545 has 17 MA's), (3, 31500), (4, 31497), (5, 31428), (6, 31377),

Gene: Olak_93 Start: 65067, Stop: 64861, Start Num: 2
Candidate Starts for Olak_93:
(1, 65097), (Start: 2 @65067 has 17 MA's), (3, 65022), (4, 65019), (5, 64950),

Gene: Orwigg_92 Start: 64823, Stop: 64617, Start Num: 2
Candidate Starts for Orwigg_92:
(1, 64853), (Start: 2 @64823 has 17 MA's), (3, 64778), (4, 64775), (5, 64706),

Gene: Pacifista_93 Start: 64908, Stop: 64702, Start Num: 2
Candidate Starts for Pacifista_93:
(1, 64938), (Start: 2 @64908 has 17 MA's), (3, 64863), (4, 64860), (5, 64791),

Gene: Polo2Bam_44 Start: 31582, Stop: 31346, Start Num: 2
Candidate Starts for Polo2Bam_44:
(Start: 2 @31582 has 17 MA's), (3, 31537), (4, 31534), (5, 31465), (6, 31414),

Gene: Scrick_92 Start: 64892, Stop: 64686, Start Num: 2
Candidate Starts for Scrick_92:
(1, 64922), (Start: 2 @64892 has 17 MA's), (3, 64847), (4, 64844), (5, 64775),

Gene: SeaLumen_44 Start: 31582, Stop: 31346, Start Num: 2
Candidate Starts for SeaLumen_44:
(Start: 2 @31582 has 17 MA's), (3, 31537), (4, 31534), (5, 31465), (6, 31414),

Gene: Selr12_95 Start: 64933, Stop: 64727, Start Num: 2
Candidate Starts for Selr12_95:
(1, 64963), (Start: 2 @64933 has 17 MA's), (3, 64888), (4, 64885), (5, 64816),

Gene: Slatt_93 Start: 65173, Stop: 64967, Start Num: 2

Candidate Starts for Slatt_93:

(1, 65203), (Start: 2 @65173 has 17 MA's), (3, 65128), (4, 65125), (5, 65056),

Gene: True_92 Start: 64891, Stop: 64685, Start Num: 2

Candidate Starts for True_92:

(1, 64921), (Start: 2 @64891 has 17 MA's), (3, 64846), (4, 64843), (5, 64774),