

Pham 311856



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 311856 Report

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

Pham number 311856 has 32 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Girafales_98, Quico_98, Florinda_101
- Track 2 : Kimberlium_93, EricMillard_69, Pound_70, Optimus_74, Pacc40_87, Thibault_62, Kersh_95
- Track 3 : Batiatus_89, Hegedechwinu_91
- Track 4 : SG4_92, Pollywog_93, Ramsey_96
- Track 5 : ShiLan_92, James_93
- Track 6 : Ovechkin_95
- Track 7 : Maravista_87
- Track 8 : Llij_87, Mutaforma13_92, Hades_88
- Track 9 : Mozy_97
- Track 10 : Llama_98, Ochi17_97
- Track 11 : DotProduct_85
- Track 12 : Clifton_82
- Track 13 : Ardmore_76
- Track 14 : Sparkdehlily_99
- Track 15 : Che9d_101
- Track 16 : Constella_57
- Track 17 : BAKA_74

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 31 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ardmore_76, BAKA_74, Batiatus_89, Che9d_101, Clifton_82, Constella_57, DotProduct_85, EricMillard_69, Florinda_101, Girafales_98, Hades_88, Hegedechwinu_91, James_93, Kersh_95, Kimberlium_93, Llama_98, Llij_87, Maravista_87, Mozy_97, Mutaforma13_92, Ochi17_97, Optimus_74, Ovechkin_95, Pacc40_87, Pollywog_93, Pound_70, Quico_98, Ramsey_96, SG4_92, ShiLan_92, Sparkdehlily_99, Thibault_62,

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 32 of 32 (100.0%) of genes in pham
- Manual Annotations of this start: 31 of 31
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ardmore_76 (F1), BAKA_74 (J), Batiatus_89 (F1), Che9d_101 (F2), Clifton_82 (F1), Constella_57 (J), DotProduct_85 (F1), EricMillard_69 (J), Florinda_101 (F1), Girafales_98 (F1), Hades_88 (F1), Hegedechwinu_91 (F1), James_93 (F1), Kersh_95 (F1), Kimberlium_93 (F1), Llama_98 (F1), Llij_87 (F1), Maravista_87 (F1), Mozy_97 (F1), Mutaforma13_92 (F1), Ochi17_97 (F1), Optimus_74 (J), Ovechkin_95 (F1), Pacc40_87 (F1), Pollywog_93 (F1), Pound_70 (J), Quico_98 (F1), Ramsey_96 (F1), SG4_92 (F1), ShiLan_92 (F1), Sparkdehlily_99 (F1), Thibault_62 (J),

Summary by clusters:

There are 3 clusters represented in this pham: F1, F2, J,

Info for manual annotations of cluster F1:

- Start number 3 was manually annotated 24 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 3 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster J:

- Start number 3 was manually annotated 6 times for cluster J.

Gene Information:

Gene: Ardmore_76 Start: 46009, Stop: 46302, Start Num: 3

Candidate Starts for Ardmore_76:

(2, 45904), (Start: 3 @46009 has 31 MA's), (4, 46018), (5, 46069), (11, 46240), (12, 46264),

Gene: BAKA_74 Start: 50332, Stop: 49997, Start Num: 3

Candidate Starts for BAKA_74:

(Start: 3 @50332 has 31 MA's), (4, 50323), (5, 50272), (12, 50074),

Gene: Batiatus_89 Start: 51111, Stop: 51407, Start Num: 3

Candidate Starts for Batiatus_89:

(Start: 3 @51111 has 31 MA's), (4, 51120), (5, 51171), (11, 51342), (12, 51366),

Gene: Che9d_101 Start: 50979, Stop: 51272, Start Num: 3

Candidate Starts for Che9d_101:

(Start: 3 @50979 has 31 MA's), (4, 50988), (5, 51039), (11, 51213), (12, 51237),

Gene: Clifton_82 Start: 49376, Stop: 49672, Start Num: 3

Candidate Starts for Clifton_82:

(Start: 3 @49376 has 31 MA's), (4, 49385), (5, 49436), (6, 49490), (8, 49574), (12, 49631),

Gene: Constella_57 Start: 44626, Stop: 44291, Start Num: 3

Candidate Starts for Constella_57:

(Start: 3 @44626 has 31 MA's), (4, 44617), (5, 44566), (12, 44368),

Gene: DotProduct_85 Start: 49272, Stop: 49568, Start Num: 3

Candidate Starts for DotProduct_85:

(Start: 3 @49272 has 31 MA's), (4, 49281), (5, 49332), (12, 49530),

Gene: EricMillard_69 Start: 49963, Stop: 49628, Start Num: 3

Candidate Starts for EricMillard_69:

(Start: 3 @49963 has 31 MA's), (4, 49954), (5, 49903), (12, 49705),

Gene: Florinda_101 Start: 53017, Stop: 53307, Start Num: 3

Candidate Starts for Florinda_101:

(2, 52912), (Start: 3 @53017 has 31 MA's), (4, 53026), (5, 53077), (11, 53248), (12, 53272), (13, 53302),

Gene: Girafales_98 Start: 52622, Stop: 52912, Start Num: 3

Candidate Starts for Girafales_98:

(2, 52517), (Start: 3 @52622 has 31 MA's), (4, 52631), (5, 52682), (11, 52853), (12, 52877), (13, 52907),

Gene: Hades_88 Start: 48876, Stop: 49172, Start Num: 3

Candidate Starts for Hades_88:

(Start: 3 @48876 has 31 MA's), (4, 48885), (5, 48936), (11, 49107), (12, 49131),

Gene: Hegedechwinu_91 Start: 50212, Stop: 50508, Start Num: 3

Candidate Starts for Hegedechwinu_91:

(Start: 3 @50212 has 31 MA's), (4, 50221), (5, 50272), (11, 50443), (12, 50467),

Gene: James_93 Start: 52977, Stop: 53273, Start Num: 3

Candidate Starts for James_93:

(Start: 3 @52977 has 31 MA's), (4, 52986), (5, 53037), (11, 53208), (12, 53232),

Gene: Kersh_95 Start: 54006, Stop: 54305, Start Num: 3

Candidate Starts for Kersh_95:

(Start: 3 @54006 has 31 MA's), (4, 54015), (5, 54066), (12, 54264),

Gene: Kimberlium_93 Start: 51162, Stop: 51458, Start Num: 3

Candidate Starts for Kimberlium_93:

(Start: 3 @51162 has 31 MA's), (4, 51171), (5, 51222), (12, 51420),

Gene: Llama_98 Start: 52582, Stop: 52878, Start Num: 3

Candidate Starts for Llama_98:

(Start: 3 @52582 has 31 MA's), (4, 52591), (5, 52642), (6, 52696), (8, 52780), (12, 52837),

Gene: Llij_87 Start: 50129, Stop: 50419, Start Num: 3

Candidate Starts for Llij_87:

(Start: 3 @50129 has 31 MA's), (4, 50138), (5, 50189), (11, 50360), (12, 50384),

Gene: Maravista_87 Start: 52700, Stop: 52969, Start Num: 3

Candidate Starts for Maravista_87:

(Start: 3 @52700 has 31 MA's), (4, 52709), (5, 52760), (9, 52907), (10, 52910),

Gene: Mozy_97 Start: 51483, Stop: 51770, Start Num: 3

Candidate Starts for Mozy_97:

(Start: 3 @51483 has 31 MA's), (4, 51492), (5, 51543), (7, 51633), (11, 51717), (12, 51741),

Gene: Mutaforma13_92 Start: 50818, Stop: 51102, Start Num: 3

Candidate Starts for Mutaforma13_92:

(Start: 3 @50818 has 31 MA's), (4, 50827), (5, 50878), (11, 51049), (12, 51073),

Gene: Ochi17_97 Start: 52177, Stop: 52473, Start Num: 3

Candidate Starts for Ochi17_97:

(Start: 3 @52177 has 31 MA's), (4, 52186), (5, 52237), (6, 52291), (8, 52375), (12, 52432),

Gene: Optimus_74 Start: 50678, Stop: 50343, Start Num: 3

Candidate Starts for Optimus_74:

(Start: 3 @50678 has 31 MA's), (4, 50669), (5, 50618), (12, 50420),

Gene: Ovechkin_95 Start: 52388, Stop: 52684, Start Num: 3

Candidate Starts for Ovechkin_95:

(1, 52226), (Start: 3 @52388 has 31 MA's), (4, 52397), (5, 52448), (6, 52502), (8, 52586), (12, 52643),

Gene: Pacc40_87 Start: 52144, Stop: 52443, Start Num: 3

Candidate Starts for Pacc40_87:

(Start: 3 @52144 has 31 MA's), (4, 52153), (5, 52204), (12, 52402),

Gene: Pollywog_93 Start: 52973, Stop: 53269, Start Num: 3

Candidate Starts for Pollywog_93:

(Start: 3 @52973 has 31 MA's), (4, 52982), (5, 53033), (11, 53204), (12, 53228),

Gene: Pound_70 Start: 51651, Stop: 51316, Start Num: 3

Candidate Starts for Pound_70:

(Start: 3 @51651 has 31 MA's), (4, 51642), (5, 51591), (12, 51393),

Gene: Quico_98 Start: 52837, Stop: 53127, Start Num: 3

Candidate Starts for Quico_98:

(2, 52732), (Start: 3 @52837 has 31 MA's), (4, 52846), (5, 52897), (11, 53068), (12, 53092), (13, 53122),

Gene: Ramsey_96 Start: 53396, Stop: 53689, Start Num: 3

Candidate Starts for Ramsey_96:

(Start: 3 @53396 has 31 MA's), (4, 53405), (5, 53456), (11, 53627), (12, 53651),

Gene: SG4_92 Start: 52390, Stop: 52686, Start Num: 3

Candidate Starts for SG4_92:

(Start: 3 @52390 has 31 MA's), (4, 52399), (5, 52450), (11, 52621), (12, 52645),

Gene: ShiLan_92 Start: 53432, Stop: 53728, Start Num: 3

Candidate Starts for ShiLan_92:

(Start: 3 @53432 has 31 MA's), (4, 53441), (5, 53492), (11, 53663), (12, 53687),

Gene: Sparkdehlily_99 Start: 50589, Stop: 50888, Start Num: 3
Candidate Starts for Sparkdehlily_99:
(Start: 3 @50589 has 31 MA's), (4, 50598), (5, 50649), (12, 50847),

Gene: Thibault_62 Start: 46268, Stop: 45933, Start Num: 3
Candidate Starts for Thibault_62:
(Start: 3 @46268 has 31 MA's), (4, 46259), (5, 46208), (12, 46010),