

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 198218 Report

This analysis was run 01/18/25 on database version 583.

Pham number 198218 has 43 members, 20 are drafts.

Phages represented in each track:

- Track 1 : Phrank15_63, Isolde_61, Faja_62, CookieBear_62, Lawnathon_63, Gorpy_62, MaterMagnus_63, AdaS_60, Tiff81_61, BillyTP_64, BenchScrapper_61, Aikyam_61, Sakai_61
- Track 2 : AbbyDaisy_61
- Track 3 : Richie_65
- Track 4 : SpicyFrank_66
- Track 5 : Hillester_66, MidnightRain_66, BlueShadow_63, YoungHarleezy_62, Hestia_54, RadFad_66, Auxilium_58, Raphaella_61, Seahorse_64
- Track 6 : EvePickles_58
- Track 7 : Globfish_63
- Track 8 : Anekin_61
- Track 9 : ThayneTheZag_63
- Track 10 : Bhageatrice_65
- Track 11 : Windest_65
- Track 12 : Vopal_64
- Track 13 : Julie_56
- Track 14 : IsHungry_53
- Track 15 : Popper_58
- Track 16 : Gusanita_57
- Track 17 : AllBusiness_54
- Track 18 : Elesar_51
- Track 19 : Cole_54
- Track 20 : Zaheer_59
- Track 21 : Jinkies_67
- Track 22 : BlackSpider_48
- Track 23 : Khuang_41

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

The start number called the most often in the published annotations is 16, it was called in 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbyDaisy_61, AdaS_60, Aikyam_61, AllBusiness_54, Anekin_61, Auxilium_58, BenchScraper_61, Bhageatrice_65, BillyTP_64, BlackSpider_48, BlueShadow_63, Cole_54, CookieBear_62, Elesar_51, EvePickles_58, Faja_62, Globfish_63, Gorpy_62, Gusanita_57, Hestia_54, Hillester_66, IsHungry_53, Isolde_61, Jinkies_67, Julie_56, Khuang_41, Lawnathon_63, MaterMagnus_63, MidnightRain_66, Phrank15_63, Popper_58, RadFad_66, Raphaella_61, Richie_65, Sakai_61, Seahorse_64, SpicyFrank_66, ThayneTheZag_63, Tiff81_61, Vopal_64, Windest_65, YoungHarleezy_62, Zaheer_59,

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 16:

- Found in 43 of 43 (100.0%) of genes in pham
- Manual Annotations of this start: 23 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_61 (AY), AdaS_60 (AY), Aikyam_61 (AY), AllBusiness_54 (FF), Anekin_61 (AY), Auxilium_58 (AY), BenchScraper_61 (AY), Bhageatrice_65 (AY), BillyTP_64 (AY), BlackSpider_48 (FN), BlueShadow_63 (AY), Cole_54 (FF), CookieBear_62 (AY), Elesar_51 (FF), EvePickles_58 (AY), Faja_62 (AY), Globfish_63 (AY), Gorpy_62 (AY), Gusanita_57 (FF), Hestia_54 (AY), Hillester_66 (AY), IsHungry_53 (FF), Isolde_61 (AY), Jinkies_67 (FL), Julie_56 (FF), Khuang_41 (FS), Lawnathon_63 (AY), MaterMagnus_63 (AY), MidnightRain_66 (AY), Phrank15_63 (AY), Popper_58 (FF), RadFad_66 (AY), Raphaella_61 (AY), Richie_65 (AY), Sakai_61 (AY), Seahorse_64 (AY), SpicyFrank_66 (AY), ThayneTheZag_63 (AY), Tiff81_61 (AY), Vopal_64 (AY), Windest_65 (AY), YoungHarleezy_62 (AY), Zaheer_59 (FF),

Summary by clusters:

There are 5 clusters represented in this pham: AY, FS, FL, FN, FF,

Info for manual annotations of cluster AY:

- Start number 16 was manually annotated 17 times for cluster AY.

Info for manual annotations of cluster FF:

- Start number 16 was manually annotated 5 times for cluster FF.

Info for manual annotations of cluster FL:

- Start number 16 was manually annotated 1 time for cluster FL.

Gene Information:

Gene: AbbyDaisy_61 Start: 34661, Stop: 34807, Start Num: 16

Candidate Starts for AbbyDaisy_61:
(Start: 16 @34661 has 23 MA's), (22, 34754), (24, 34781),

Gene: AdaS_60 Start: 32478, Stop: 32624, Start Num: 16
Candidate Starts for AdaS_60:
(Start: 16 @32478 has 23 MA's), (22, 32571),

Gene: Aikyam_61 Start: 32797, Stop: 32943, Start Num: 16
Candidate Starts for Aikyam_61:
(Start: 16 @32797 has 23 MA's), (22, 32890),

Gene: AllBusiness_54 Start: 38588, Stop: 38752, Start Num: 16
Candidate Starts for AllBusiness_54:
(4, 38333), (12, 38528), (Start: 16 @38588 has 23 MA's), (27, 38747),

Gene: Anekin_61 Start: 34565, Stop: 34714, Start Num: 16
Candidate Starts for Anekin_61:
(5, 34373), (6, 34388), (14, 34529), (15, 34550), (Start: 16 @34565 has 23 MA's),

Gene: Auxilium_58 Start: 31951, Stop: 32097, Start Num: 16
Candidate Starts for Auxilium_58:
(Start: 16 @31951 has 23 MA's), (22, 32044),

Gene: BenchScraper_61 Start: 33989, Stop: 34135, Start Num: 16
Candidate Starts for BenchScraper_61:
(Start: 16 @33989 has 23 MA's), (22, 34082),

Gene: Bhageatrice_65 Start: 36501, Stop: 36650, Start Num: 16
Candidate Starts for Bhageatrice_65:
(Start: 16 @36501 has 23 MA's), (24, 36621), (26, 36639),

Gene: BillyTP_64 Start: 35844, Stop: 35990, Start Num: 16
Candidate Starts for BillyTP_64:
(Start: 16 @35844 has 23 MA's), (22, 35937),

Gene: BlackSpider_48 Start: 31009, Stop: 31164, Start Num: 16
Candidate Starts for BlackSpider_48:
(7, 30844), (8, 30853), (10, 30919), (Start: 16 @31009 has 23 MA's), (23, 31105),

Gene: BlueShadow_63 Start: 34634, Stop: 34780, Start Num: 16
Candidate Starts for BlueShadow_63:
(Start: 16 @34634 has 23 MA's), (22, 34727),

Gene: Cole_54 Start: 37029, Stop: 37193, Start Num: 16
Candidate Starts for Cole_54:
(Start: 16 @37029 has 23 MA's), (27, 37188),

Gene: CookieBear_62 Start: 34228, Stop: 34374, Start Num: 16
Candidate Starts for CookieBear_62:
(Start: 16 @34228 has 23 MA's), (22, 34321),

Gene: Elesar_51 Start: 37729, Stop: 37893, Start Num: 16
Candidate Starts for Elesar_51:

(Start: 16 @37729 has 23 MA's), (27, 37888),

Gene: EvePickles_58 Start: 34376, Stop: 34522, Start Num: 16

Candidate Starts for EvePickles_58:

(13, 34343), (Start: 16 @34376 has 23 MA's), (22, 34469),

Gene: Faja_62 Start: 35603, Stop: 35749, Start Num: 16

Candidate Starts for Faja_62:

(Start: 16 @35603 has 23 MA's), (22, 35696),

Gene: Globfish_63 Start: 34815, Stop: 34961, Start Num: 16

Candidate Starts for Globfish_63:

(13, 34782), (Start: 16 @34815 has 23 MA's), (21, 34887), (22, 34908), (24, 34935),

Gene: Gorpy_62 Start: 35220, Stop: 35366, Start Num: 16

Candidate Starts for Gorpy_62:

(Start: 16 @35220 has 23 MA's), (22, 35313),

Gene: Gusanita_57 Start: 37686, Stop: 37844, Start Num: 16

Candidate Starts for Gusanita_57:

(12, 37608), (Start: 16 @37686 has 23 MA's), (18, 37722),

Gene: Hestia_54 Start: 31787, Stop: 31930, Start Num: 16

Candidate Starts for Hestia_54:

(Start: 16 @31787 has 23 MA's), (22, 31880),

Gene: Hillester_66 Start: 35567, Stop: 35713, Start Num: 16

Candidate Starts for Hillester_66:

(Start: 16 @35567 has 23 MA's), (22, 35660),

Gene: IsHungry_53 Start: 35871, Stop: 36029, Start Num: 16

Candidate Starts for IsHungry_53:

(3, 35565), (9, 35769), (12, 35790), (Start: 16 @35871 has 23 MA's), (18, 35907),

Gene: Isolde_61 Start: 33897, Stop: 34043, Start Num: 16

Candidate Starts for Isolde_61:

(Start: 16 @33897 has 23 MA's), (22, 33990),

Gene: Jinkies_67 Start: 42754, Stop: 42909, Start Num: 16

Candidate Starts for Jinkies_67:

(1, 42361), (2, 42394), (Start: 16 @42754 has 23 MA's), (17, 42775),

Gene: Julie_56 Start: 37890, Stop: 38054, Start Num: 16

Candidate Starts for Julie_56:

(Start: 16 @37890 has 23 MA's), (18, 37926), (25, 38034),

Gene: Khuang_41 Start: 26450, Stop: 26304, Start Num: 16

Candidate Starts for Khuang_41:

(Start: 16 @26450 has 23 MA's), (20, 26390),

Gene: Lawnathon_63 Start: 34389, Stop: 34535, Start Num: 16

Candidate Starts for Lawnathon_63:

(Start: 16 @34389 has 23 MA's), (22, 34482),

Gene: MaterMagnus_63 Start: 34969, Stop: 35115, Start Num: 16
Candidate Starts for MaterMagnus_63:
(Start: 16 @34969 has 23 MA's), (22, 35062),

Gene: MidnightRain_66 Start: 35738, Stop: 35884, Start Num: 16
Candidate Starts for MidnightRain_66:
(Start: 16 @35738 has 23 MA's), (22, 35831),

Gene: Phrank15_63 Start: 34520, Stop: 34666, Start Num: 16
Candidate Starts for Phrank15_63:
(Start: 16 @34520 has 23 MA's), (22, 34613),

Gene: Popper_58 Start: 37066, Stop: 37224, Start Num: 16
Candidate Starts for Popper_58:
(3, 36760), (9, 36964), (12, 36985), (Start: 16 @37066 has 23 MA's),

Gene: RadFad_66 Start: 35567, Stop: 35713, Start Num: 16
Candidate Starts for RadFad_66:
(Start: 16 @35567 has 23 MA's), (22, 35660),

Gene: Raphaella_61 Start: 34087, Stop: 34233, Start Num: 16
Candidate Starts for Raphaella_61:
(Start: 16 @34087 has 23 MA's), (22, 34180),

Gene: Richie_65 Start: 35536, Stop: 35691, Start Num: 16
Candidate Starts for Richie_65:
(Start: 16 @35536 has 23 MA's),

Gene: Sakai_61 Start: 33931, Stop: 34077, Start Num: 16
Candidate Starts for Sakai_61:
(Start: 16 @33931 has 23 MA's), (22, 34024),

Gene: Seahorse_64 Start: 36074, Stop: 36220, Start Num: 16
Candidate Starts for Seahorse_64:
(Start: 16 @36074 has 23 MA's), (22, 36167),

Gene: SpicyFrank_66 Start: 35490, Stop: 35636, Start Num: 16
Candidate Starts for SpicyFrank_66:
(13, 35460), (Start: 16 @35490 has 23 MA's), (22, 35583),

Gene: ThayneTheZag_63 Start: 33945, Stop: 34091, Start Num: 16
Candidate Starts for ThayneTheZag_63:
(11, 33864), (13, 33912), (Start: 16 @33945 has 23 MA's), (22, 34038), (24, 34065),

Gene: Tiff81_61 Start: 32134, Stop: 32280, Start Num: 16
Candidate Starts for Tiff81_61:
(Start: 16 @32134 has 23 MA's), (22, 32227),

Gene: Vopal_64 Start: 37420, Stop: 37566, Start Num: 16
Candidate Starts for Vopal_64:
(Start: 16 @37420 has 23 MA's), (22, 37513),

Gene: Windest_65 Start: 33447, Stop: 33593, Start Num: 16
Candidate Starts for Windest_65:
(Start: 16 @33447 has 23 MA's),

Gene: YoungHarleezy_62 Start: 34626, Stop: 34772, Start Num: 16
Candidate Starts for YoungHarleezy_62:
(Start: 16 @34626 has 23 MA's), (22, 34719),

Gene: Zaheer_59 Start: 38238, Stop: 38396, Start Num: 16
Candidate Starts for Zaheer_59:
(9, 38136), (12, 38157), (Start: 16 @38238 has 23 MA's), (18, 38274), (19, 38295),