



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 280852 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280852 has 22 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Tank_10, Wilde_10
- Track 2 : Rizwana_9
- Track 3 : Pureglobe5_12, Beagle_12, PhuzzTulsa_8, Pointis_10, Popstraw_10, MellowYellow_10, NyleyClemson_10, Forrestell_10, Odyssey395_12, Kubulix_11, RazzB_9, BetaFish_10, Hive_9, DogYard_10
- Track 4 : Nikan_7, Ren19_6
- Track 5 : Ollypop_9
- Track 6 : RomansRevenge_3, Boise_3

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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beagle_12, BetaFish_10, Boise_3, DogYard_10, Forrestell_10, Hive_9, Kubulix_11, MellowYellow_10, Nikan_7, NyleyClemson_10, Odyssey395_12, Ollypop_9, PhuzzTulsa_8, Pointis_10, Popstraw_10, Pureglobe5_12, RazzB_9, Ren19_6, Rizwana_9, RomansRevenge_3, Tank_10, Wilde_10,

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 22 of 22 (100.0%) of genes in pham
- Manual Annotations of this start: 14 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beagle_12 (AP2), BetaFish_10 (AP2), Boise_3 (FT), DogYard_10 (AP2), Forrestell_10 (AP2), Hive_9 (AP2), Kubulix_11

(AP2), MellowYellow_10 (AP2), Nikan_7 (AP2), NyleyClemson_10 (AP2), Odyssey395_12 (AP2), Ollypop_9 (AP2), PhuzzTulsa_8 (AP2), Pointis_10 (AP2), Popstraw_10 (AP2), Pureglobe5_12 (AP2), RazzB_9 (AP2), Ren19_6 (AP2), Rizwana_9 (AP1), RomansRevenge_3 (FT), Tank_10 (AP1), Wilde_10 (AP1),

Summary by clusters:

There are 3 clusters represented in this pham: AP2, AP1, FT,

Info for manual annotations of cluster AP1:

- Start number 3 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP2:

- Start number 3 was manually annotated 10 times for cluster AP2.

Info for manual annotations of cluster FT:

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

Gene Information:

Gene: Beagle_12 Start: 4120, Stop: 4275, Start Num: 3

Candidate Starts for Beagle_12:

(Start: 3 @4120 has 14 MA's), (4, 4174), (5, 4240),

Gene: BetaFish_10 Start: 4126, Stop: 4281, Start Num: 3

Candidate Starts for BetaFish_10:

(Start: 3 @4126 has 14 MA's), (4, 4180), (5, 4246),

Gene: Boise_3 Start: 1829, Stop: 2017, Start Num: 3

Candidate Starts for Boise_3:

(Start: 3 @1829 has 14 MA's), (6, 1961), (7, 1964),

Gene: DogYard_10 Start: 3996, Stop: 4151, Start Num: 3

Candidate Starts for DogYard_10:

(Start: 3 @3996 has 14 MA's), (4, 4050), (5, 4116),

Gene: Forrestell_10 Start: 3700, Stop: 3855, Start Num: 3

Candidate Starts for Forrestell_10:

(Start: 3 @3700 has 14 MA's), (4, 3754), (5, 3820),

Gene: Hive_9 Start: 4010, Stop: 4165, Start Num: 3

Candidate Starts for Hive_9:

(Start: 3 @4010 has 14 MA's), (4, 4064), (5, 4130),

Gene: Kubulix_11 Start: 4125, Stop: 4280, Start Num: 3

Candidate Starts for Kubulix_11:

(Start: 3 @4125 has 14 MA's), (4, 4179), (5, 4245),

Gene: MellowYellow_10 Start: 3730, Stop: 3885, Start Num: 3

Candidate Starts for MellowYellow_10:

(Start: 3 @3730 has 14 MA's), (4, 3784), (5, 3850),

Gene: Nikan_7 Start: 3702, Stop: 3857, Start Num: 3
Candidate Starts for Nikan_7:
(2, 3645), (Start: 3 @3702 has 14 MA's), (4, 3756), (5, 3822),

Gene: NyleyClemson_10 Start: 3672, Stop: 3827, Start Num: 3
Candidate Starts for NyleyClemson_10:
(Start: 3 @3672 has 14 MA's), (4, 3726), (5, 3792),

Gene: Odyssey395_12 Start: 4124, Stop: 4279, Start Num: 3
Candidate Starts for Odyssey395_12:
(Start: 3 @4124 has 14 MA's), (4, 4178), (5, 4244),

Gene: Ollypop_9 Start: 3780, Stop: 3935, Start Num: 3
Candidate Starts for Ollypop_9:
(2, 3723), (Start: 3 @3780 has 14 MA's), (4, 3834), (5, 3900),

Gene: PhuzzTulsa_8 Start: 3914, Stop: 4069, Start Num: 3
Candidate Starts for PhuzzTulsa_8:
(Start: 3 @3914 has 14 MA's), (4, 3968), (5, 4034),

Gene: Pointis_10 Start: 4125, Stop: 4280, Start Num: 3
Candidate Starts for Pointis_10:
(Start: 3 @4125 has 14 MA's), (4, 4179), (5, 4245),

Gene: Popstraw_10 Start: 4108, Stop: 4263, Start Num: 3
Candidate Starts for Popstraw_10:
(Start: 3 @4108 has 14 MA's), (4, 4162), (5, 4228),

Gene: Pureglobe5_12 Start: 4138, Stop: 4293, Start Num: 3
Candidate Starts for Pureglobe5_12:
(Start: 3 @4138 has 14 MA's), (4, 4192), (5, 4258),

Gene: RazzB_9 Start: 3500, Stop: 3655, Start Num: 3
Candidate Starts for RazzB_9:
(Start: 3 @3500 has 14 MA's), (4, 3554), (5, 3620),

Gene: Ren19_6 Start: 3702, Stop: 3857, Start Num: 3
Candidate Starts for Ren19_6:
(2, 3645), (Start: 3 @3702 has 14 MA's), (4, 3756), (5, 3822),

Gene: Rizwana_9 Start: 4329, Stop: 4487, Start Num: 3
Candidate Starts for Rizwana_9:
(Start: 3 @4329 has 14 MA's), (8, 4476),

Gene: RomansRevenge_3 Start: 1829, Stop: 2017, Start Num: 3
Candidate Starts for RomansRevenge_3:
(Start: 3 @1829 has 14 MA's), (6, 1961), (7, 1964),

Gene: Tank_10 Start: 4347, Stop: 4505, Start Num: 3
Candidate Starts for Tank_10:
(1, 4260), (Start: 3 @4347 has 14 MA's), (8, 4494),

Gene: Wilde_10 Start: 4275, Stop: 4433, Start Num: 3
Candidate Starts for Wilde_10:
(1, 4188), (Start: 3 @4275 has 14 MA's), (8, 4422),