Pham 291581

1: Shukran_47

2: FosterFrank_43 + 12

3: BrayBeast_36

4: Kumotta_33 + 1

5: BellaJr_42 + 1

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 291581 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291581 has 19 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Shukran_47
• Track 2 : FosterFrank_43, Eileen_37, Judy_42, Constance_41, Peas_38, NidoQ_36, Bridgette_41, LilyBell_41, RootBeer_32, ChuckDuck_42, LittleRon_39, GlobiWarming_41, KayMoney_41
• Track 3 : BrayBeast_36
• Track 4 : Kumotta_33, MargaretKali_33
• Track 5 : BellaJr_42, BlackSpider_39

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

The start number called the most often in the published annotations is 1, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BellaJr_42, BlackSpider_39, BrayBeast_36, Bridgette_41, ChuckDuck_42, Constance_41, Eileen_37, FosterFrank_43, GlobiWarming_41, Judy_42, KayMoney_41, Kumotta_33, LilyBell_41, LittleRon_39, MargaretKali_33, NidoQ_36, Peas_38, RootBeer_32, Shukran_47,

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 1:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BellaJr_42 (FN), BlackSpider_39 (FN), BrayBeast_36 (FB), Bridgette_41 (FA), ChuckDuck_42 (FA), Constance_41 (FA), Eileen_37 (FA), FosterFrank_43 (FA), GlobiWarming_41 (FA), Judy_42 (FA),

KayMoney_41 (FA), Kumotta_33 (FB), LilyBell_41 (FA), LittleRon_39 (FA), MargaretKali_33 (FB), NidoQ_36 (FA), Peas_38 (FA), RootBeer_32 (FA), Shukran_47 (AY),

Summary by clusters:

There are 4 clusters represented in this pham: AY, FA, FB, FN,

Info for manual annotations of cluster FA:
•Start number 1 was manually annotated 9 times for cluster FA.

Info for manual annotations of cluster FB:
•Start number 1 was manually annotated 3 times for cluster FB.

Info for manual annotations of cluster FN:
•Start number 1 was manually annotated 1 time for cluster FN.

Gene Information:
Gene: BellaJr_42 Start: 30243, Stop: 30515, Start Num: 1
Candidate Starts for BellaJr_42:
(Start: 1 @30243 has 13 MA's), (4, 30441), (6, 30492),

Gene: BlackSpider_39 Start: 28835, Stop: 29107, Start Num: 1
Candidate Starts for BlackSpider_39:
(Start: 1 @28835 has 13 MA's), (4, 29033), (6, 29084),

Gene: BrayBeast_36 Start: 26166, Stop: 26420, Start Num: 1
Candidate Starts for BrayBeast_36:
(Start: 1 @26166 has 13 MA's), (5, 26370),

Gene: Bridgette_41 Start: 28919, Stop: 29173, Start Num: 1
Candidate Starts for Bridgette_41:
(Start: 1 @28919 has 13 MA's), (2, 29003), (3, 29009),

Gene: ChuckDuck_42 Start: 28742, Stop: 28996, Start Num: 1
Candidate Starts for ChuckDuck_42:
(Start: 1 @28742 has 13 MA's), (2, 28826), (3, 28832),

Gene: Constance_41 Start: 29071, Stop: 29325, Start Num: 1
Candidate Starts for Constance_41:
(Start: 1 @29071 has 13 MA's), (2, 29155), (3, 29161),

Gene: Eileen_37 Start: 27149, Stop: 27403, Start Num: 1
Candidate Starts for Eileen_37:
(Start: 1 @27149 has 13 MA's), (2, 27233), (3, 27239),

Gene: FosterFrank_43 Start: 28801, Stop: 29055, Start Num: 1
Candidate Starts for FosterFrank_43:
(Start: 1 @28801 has 13 MA's), (2, 28885), (3, 28891),

Gene: GlobiWarming_41 Start: 28325, Stop: 28579, Start Num: 1
Candidate Starts for GlobiWarming_41:
(Start: 1 @28325 has 13 MA's), (2, 28409), (3, 28415),

Gene: Judy_42 Start: 29237, Stop: 29491, Start Num: 1
Candidate Starts for Judy_42:
(Start: 1 @29237 has 13 MA's), (2, 29321), (3, 29327),

Gene: KayMoney_41 Start: 28414, Stop: 28668, Start Num: 1
Candidate Starts for KayMoney_41:
(Start: 1 @28414 has 13 MA's), (2, 28498), (3, 28504),

Gene: Kumotta_33 Start: 26166, Stop: 26420, Start Num: 1
Candidate Starts for Kumotta_33:
(Start: 1 @26166 has 13 MA's), (3, 26256), (7, 26400), (8, 26409),

Gene: LilyBell_41 Start: 28643, Stop: 28897, Start Num: 1
Candidate Starts for LilyBell_41:
(Start: 1 @28643 has 13 MA's), (2, 28727), (3, 28733),

Gene: LittleRon_39 Start: 28023, Stop: 28277, Start Num: 1
Candidate Starts for LittleRon_39:
(Start: 1 @28023 has 13 MA's), (2, 28107), (3, 28113),

Gene: MargaretKali_33 Start: 25801, Stop: 26055, Start Num: 1
Candidate Starts for MargaretKali_33:
(Start: 1 @25801 has 13 MA's), (3, 25891), (7, 26035), (8, 26044),

Gene: NidoQ_36 Start: 27748, Stop: 28002, Start Num: 1
Candidate Starts for NidoQ_36:
(Start: 1 @27748 has 13 MA's), (2, 27832), (3, 27838),

Gene: Peas_38 Start: 29296, Stop: 29550, Start Num: 1
Candidate Starts for Peas_38:
(Start: 1 @29296 has 13 MA's), (2, 29380), (3, 29386),

Gene: RootBeer_32 Start: 25199, Stop: 25453, Start Num: 1
Candidate Starts for RootBeer_32:
(Start: 1 @25199 has 13 MA's), (2, 25283), (3, 25289),

Gene: Shukran_47 Start: 30205, Stop: 30456, Start Num: 1
Candidate Starts for Shukran_47:
(Start: 1 @30205 has 13 MA's),