Pham 284174

1: Montpel_24 + 2

2: Primadonna_20 + 9

3: Shaqnato_21 + 4

4: Vortrix_32 + 1

5: Halldule_21 + 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 284174 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284174 has 22 members, 15 are drafts.

Phages represented in each track:
• Track 1 : Montpel_24, Pinkcreek_17, Lunareta_24
• Track 2 : Primadonna_20, Substance289_22, Spec_22, DeejaClivia_21, Fongie_24, Maturis_25, Blackdragon_20, Fixie_22, Duckfeet_22, Belieber_21
• Track 3 : Shaqnato_21, Lukilu_18, LRRHood_22, Astraea_26, Grungle_18
• Track 4 : Vortrix_32, Tonenili_30
• Track 5 : Halldule_21, Bezza_17

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 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Astraea_26, Grungle_18, LRRHood_22, Lukilu_18, Shaqnato_21,

Genes that have the "Most Annotated" start but do not call it:
• Bezza_17, Halldule_21,

Genes that do not have the "Most Annotated" start:
• Belieber_21, Blackdragon_20, DeejaClivia_21, Duckfeet_22, Fixie_22, Fongie_24, Lunareta_24, Maturis_25, Montpel_24, Pinkcreek_17, Primadonna_20, Spec_22, Substance289_22, Tonenili_30, Vortrix_32,

Summary by start number:

Start 2:
• Found in 15 of 22 (68.2%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Lunareta_24 (C1), Montpel_24 (C1), Pinkcreek_17 (C1),

Start 3:
• Found in 7 of 22 (31.8%) of genes in pham

• Manual Annotations of this start: 5 of 7
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Astraea_26 (C1), Grungle_18 (C1), LRRHood_22 (C1), Lukilu_18 (C1), Shaqnato_21 (C1),

Start 5:
• Found in 22 of 22 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 63.6% of time when present
• Phage (with cluster) where this start called: Belieber_21 (C1), Bezza_17 (C1), Blackdragon_20 (C1), DeejaClivia_21 (C1), Duckfeet_22 (C1), Fixie_22 (C1), Fongie_24 (C1), Halldule_21 (C1), Maturis_25 (C1), Primadonna_20 (C1), Spec_22 (C1), Substance289_22 (C1), Tonenili_30 (C1), Vortrix_32 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 2 was manually annotated 1 time for cluster C1.
•Start number 3 was manually annotated 5 times for cluster C1.
•Start number 5 was manually annotated 1 time for cluster C1.

Gene Information:
Gene: Astraea_26 Start: 7926, Stop: 8225, Start Num: 3
Candidate Starts for Astraea_26:
(Start: 3 @7926 has 5 MA's), (4, 7938), (Start: 5 @7941 has 1 MA's),

Gene: Belieber_21 Start: 6975, Stop: 7259, Start Num: 5
Candidate Starts for Belieber_21:
(1, 6912), (Start: 2 @6960 has 1 MA's), (4, 6972), (Start: 5 @6975 has 1 MA's),

Gene: Bezza_17 Start: 6854, Stop: 7138, Start Num: 5
Candidate Starts for Bezza_17:
(Start: 3 @6839 has 5 MA's), (4, 6851), (Start: 5 @6854 has 1 MA's),

Gene: Blackdragon_20 Start: 6822, Stop: 7106, Start Num: 5
Candidate Starts for Blackdragon_20:
(1, 6759), (Start: 2 @6807 has 1 MA's), (4, 6819), (Start: 5 @6822 has 1 MA's),

Gene: DeejaClivia_21 Start: 6864, Stop: 7148, Start Num: 5
Candidate Starts for DeejaClivia_21:
(1, 6801), (Start: 2 @6849 has 1 MA's), (4, 6861), (Start: 5 @6864 has 1 MA's),

Gene: Duckfeet_22 Start: 7515, Stop: 7799, Start Num: 5
Candidate Starts for Duckfeet_22:
(1, 7452), (Start: 2 @7500 has 1 MA's), (4, 7512), (Start: 5 @7515 has 1 MA's),

Gene: Fixie_22 Start: 6956, Stop: 7240, Start Num: 5
Candidate Starts for Fixie_22:

(1, 6893), (Start: 2 @6941 has 1 MA's), (4, 6953), (Start: 5 @6956 has 1 MA's),

Gene: Fongie_24 Start: 8332, Stop: 8616, Start Num: 5
Candidate Starts for Fongie_24:
(1, 8269), (Start: 2 @8317 has 1 MA's), (4, 8329), (Start: 5 @8332 has 1 MA's),

Gene: Grungle_18 Start: 5890, Stop: 6189, Start Num: 3
Candidate Starts for Grungle_18:
(Start: 3 @5890 has 5 MA's), (4, 5902), (Start: 5 @5905 has 1 MA's),

Gene: Halldule_21 Start: 6575, Stop: 6859, Start Num: 5
Candidate Starts for Halldule_21:
(Start: 3 @6560 has 5 MA's), (4, 6572), (Start: 5 @6575 has 1 MA's),

Gene: LRRHood_22 Start: 8459, Stop: 8758, Start Num: 3
Candidate Starts for LRRHood_22:
(Start: 3 @8459 has 5 MA's), (4, 8471), (Start: 5 @8474 has 1 MA's),

Gene: Lukilu_18 Start: 6910, Stop: 7209, Start Num: 3
Candidate Starts for Lukilu_18:
(Start: 3 @6910 has 5 MA's), (4, 6922), (Start: 5 @6925 has 1 MA's),

Gene: Lunareta_24 Start: 8026, Stop: 8349, Start Num: 2
Candidate Starts for Lunareta_24:
(1, 7978), (Start: 2 @8026 has 1 MA's), (4, 8038), (Start: 5 @8041 has 1 MA's),

Gene: Maturis_25 Start: 8104, Stop: 8388, Start Num: 5
Candidate Starts for Maturis_25:
(1, 8041), (Start: 2 @8089 has 1 MA's), (4, 8101), (Start: 5 @8104 has 1 MA's),

Gene: Montpel_24 Start: 8026, Stop: 8349, Start Num: 2
Candidate Starts for Montpel_24:
(1, 7978), (Start: 2 @8026 has 1 MA's), (4, 8038), (Start: 5 @8041 has 1 MA's),

Gene: Pinkcreek_17 Start: 6160, Stop: 6459, Start Num: 2
Candidate Starts for Pinkcreek_17:
(1, 6112), (Start: 2 @6160 has 1 MA's), (4, 6172), (Start: 5 @6175 has 1 MA's),

Gene: Primadonna_20 Start: 7425, Stop: 7709, Start Num: 5
Candidate Starts for Primadonna_20:
(1, 7362), (Start: 2 @7410 has 1 MA's), (4, 7422), (Start: 5 @7425 has 1 MA's),

Gene: Shaqnato_21 Start: 6893, Stop: 7192, Start Num: 3
Candidate Starts for Shaqnato_21:
(Start: 3 @6893 has 5 MA's), (4, 6905), (Start: 5 @6908 has 1 MA's),

Gene: Spec_22 Start: 7254, Stop: 7538, Start Num: 5
Candidate Starts for Spec_22:
(1, 7191), (Start: 2 @7239 has 1 MA's), (4, 7251), (Start: 5 @7254 has 1 MA's),

Gene: Substance289_22 Start: 7254, Stop: 7538, Start Num: 5
Candidate Starts for Substance289_22:
(1, 7191), (Start: 2 @7239 has 1 MA's), (4, 7251), (Start: 5 @7254 has 1 MA's),

Gene: Tonenili_30 Start: 9490, Stop: 9759, Start Num: 5
Candidate Starts for Tonenili_30:
(1, 9427), (Start: 2 @9475 has 1 MA's), (4, 9487), (Start: 5 @9490 has 1 MA's), (6, 9499), (7, 9562), (8, 9574),

Gene: Vortrix_32 Start: 9952, Stop: 10221, Start Num: 5
Candidate Starts for Vortrix_32:
(1, 9889), (Start: 2 @9937 has 1 MA's), (4, 9949), (Start: 5 @9952 has 1 MA's), (6, 9961), (7, 10024), (8, 10036),