Pham 280899


5
9
1: Conspiracy_33 + 10
2
3
5
9
2: Toro_40 + 1
5
9
3: Sheen_40
6
7
8
10
4: PR_70 + 3
1
4
5
6
7
8
10
5: GodPhather_70 + 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 280899 Report

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

Pham number 280899 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Conspiracy_33, Jovo_33, AgentM_33, PickleBack_33, Bluefalcon_32, Phlorence_33, Lev2_33, Tiger_33, Aragog_33, Discoknowium_33, ForGetIt_33
• Track 2 : Toro_40, FlyCatcher_42
• Track 3 : Sheen_40
• Track 4 : PR_70, Cepens_70, D12_69, Megabear_68
• Track 5 : GodPhather_70, Argie_72

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

The start number called the most often in the published annotations is 5, it was called in 14 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AgentM_33, Aragog_33, Argie_72, Bluefalcon_32, Conspiracy_33, Discoknowium_33, FlyCatcher_42, ForGetIt_33, GodPhather_70, Jovo_33, Lev2_33, Phlorence_33, PickleBack_33, Sheen_40, Tiger_33, Toro_40,

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

Genes that do not have the "Most Annotated" start:
• Cepens_70, D12_69, Megabear_68, PR_70,

Summary by start number:

Start 5:
• Found in 16 of 20 (80.0%) of genes in pham
• Manual Annotations of this start: 14 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AgentM_33 (A5), Aragog_33 (A5), Argie_72 (W), Bluefalcon_32 (A5), Conspiracy_33 (A5), Discoknowium_33 (A5), FlyCatcher_42 (A7), ForGetIt_33 (A5), GodPhather_70 (W), Jovo_33 (A5), Lev2_33 (A5), Phlorence_33 (A5), PickleBack_33 (A5), Sheen_40 (A7), Tiger_33 (A5), Toro_40 (A7),

Start 6:
• Found in 6 of 20 (30.0%) of genes in pham
• Manual Annotations of this start: 4 of 18
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Cepens_70 (W), D12_69 (W), Megabear_68 (W), PR_70 (W),

Summary by clusters:

There are 3 clusters represented in this pham: A5, W, A7,

Info for manual annotations of cluster A5:
•Start number 5 was manually annotated 11 times for cluster A5.

Info for manual annotations of cluster A7:
•Start number 5 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster W:
•Start number 5 was manually annotated 2 times for cluster W.
•Start number 6 was manually annotated 4 times for cluster W.

Gene Information:

Gene: AgentM_33 Start: 27221, Stop: 27048, Start Num: 5
Candidate Starts for AgentM_33:
(Start: 5 @27221 has 14 MA's), (9, 27128),

Gene: Aragog_33 Start: 27251, Stop: 27078, Start Num: 5
Candidate Starts for Aragog_33:
(Start: 5 @27251 has 14 MA's), (9, 27158),

Gene: Argie_72 Start: 51591, Stop: 51734, Start Num: 5
Candidate Starts for Argie_72:
(1, 51447), (4, 51522), (Start: 5 @51591 has 14 MA's), (Start: 6 @51627 has 4 MA's), (7, 51630), (8, 51654), (10, 51711),

Gene: Bluefalcon_32 Start: 27310, Stop: 27137, Start Num: 5
Candidate Starts for Bluefalcon_32:
(Start: 5 @27310 has 14 MA's), (9, 27217),

Gene: Cepens_70 Start: 50436, Stop: 50543, Start Num: 6
Candidate Starts for Cepens_70:
(Start: 6 @50436 has 4 MA's), (7, 50439), (8, 50463), (10, 50520),

Gene: Conspiracy_33 Start: 27051, Stop: 26878, Start Num: 5
Candidate Starts for Conspiracy_33:
(Start: 5 @27051 has 14 MA's), (9, 26958),

Gene: D12_69 Start: 51071, Stop: 51178, Start Num: 6
Candidate Starts for D12_69:

(Start: 6 @51071 has 4 MA's), (7, 51074), (8, 51098), (10, 51155),

Gene: Discoknowium_33 Start: 27260, Stop: 27087, Start Num: 5
Candidate Starts for Discoknowium_33:
(Start: 5 @27260 has 14 MA's), (9, 27167),

Gene: FlyCatcher_42 Start: 30517, Stop: 30341, Start Num: 5
Candidate Starts for FlyCatcher_42:
(2, 30655), (3, 30610), (Start: 5 @30517 has 14 MA's), (9, 30424),

Gene: ForGetIt_33 Start: 27076, Stop: 26903, Start Num: 5
Candidate Starts for ForGetIt_33:
(Start: 5 @27076 has 14 MA's), (9, 26983),

Gene: GodPhather_70 Start: 51045, Stop: 51188, Start Num: 5
Candidate Starts for GodPhather_70:
(1, 50901), (4, 50976), (Start: 5 @51045 has 14 MA's), (Start: 6 @51081 has 4 MA's), (7, 51084), (8, 51108), (10, 51165),

Gene: Jovo_33 Start: 27332, Stop: 27159, Start Num: 5
Candidate Starts for Jovo_33:
(Start: 5 @27332 has 14 MA's), (9, 27239),

Gene: Lev2_33 Start: 26964, Stop: 26791, Start Num: 5
Candidate Starts for Lev2_33:
(Start: 5 @26964 has 14 MA's), (9, 26871),

Gene: Megabear_68 Start: 50357, Stop: 50464, Start Num: 6
Candidate Starts for Megabear_68:
(Start: 6 @50357 has 4 MA's), (7, 50360), (8, 50384), (10, 50441),

Gene: PR_70 Start: 51048, Stop: 51155, Start Num: 6
Candidate Starts for PR_70:
(Start: 6 @51048 has 4 MA's), (7, 51051), (8, 51075), (10, 51132),

Gene: Phlorence_33 Start: 27251, Stop: 27078, Start Num: 5
Candidate Starts for Phlorence_33:
(Start: 5 @27251 has 14 MA's), (9, 27158),

Gene: PickleBack_33 Start: 26965, Stop: 26792, Start Num: 5
Candidate Starts for PickleBack_33:
(Start: 5 @26965 has 14 MA's), (9, 26872),

Gene: Sheen_40 Start: 30590, Stop: 30414, Start Num: 5
Candidate Starts for Sheen_40:
(Start: 5 @30590 has 14 MA's), (9, 30497),

Gene: Tiger_33 Start: 27042, Stop: 26869, Start Num: 5
Candidate Starts for Tiger_33:
(Start: 5 @27042 has 14 MA's), (9, 26949),

Gene: Toro_40 Start: 30517, Stop: 30341, Start Num: 5
Candidate Starts for Toro_40:

(2, 30655), (3, 30610), (Start: 5 @30517 has 14 MA's), (9, 30424),