Pham 4802

1
2
3
7
13
15
17
1: Cborch11_61 + 7
2
3
4
7
13
17
20
21
2: Puissant_60
2
3
13
19
20
3: Predator_56
2
8
14
16
19
23
4: DrLupo_63
2
5
6
7
14
19
5: Barnyard_63
2
5
9
10
11
12
16
18
19
22
6: Patience_73 + 2

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 4802 Report

This analysis was run 04/28/24 on database version 559.

Pham number 4802 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Cborch11_61, Oaker_58, Damien_59, Thumb_60, Phreeze_58, Konstantine_63, Megatron06_62, Beckerton_58
• Track 2 : Puissant_60
• Track 3 : Predator_56
• Track 4 : DrLupo_63
• Track 5 : Barnyard_63
• Track 6 : Patience_73, Madruga_71, Labelle_73

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

The start number called the most often in the published annotations is 2, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Barnyard_63, Beckerton_58, Cborch11_61, Damien_59, DrLupo_63, Konstantine_63, Labelle_73, Madruga_71, Megatron06_62, Oaker_58, Patience_73, Phreeze_58, Predator_56, Puissant_60, Thumb_60,

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 2:
• Found in 15 of 15 (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: Barnyard_63 (H2), Beckerton_58 (H1), Cborch11_61 (H1), Damien_59 (H1), DrLupo_63 (H2), Konstantine_63 (H1), Labelle_73 (U), Madruga_71 (U), Megatron06_62 (H1), Oaker_58 (H1), Patience_73 (U), Phreeze_58 (H1), Predator_56 (H1), Puissant_60 (H1), Thumb_60 (H1),

Summary by clusters:

There are 3 clusters represented in this pham: H2, H1, U,

Info for manual annotations of cluster H1:
•Start number 2 was manually annotated 8 times for cluster H1.

Info for manual annotations of cluster H2:
•Start number 2 was manually annotated 2 times for cluster H2.

Info for manual annotations of cluster U:
•Start number 2 was manually annotated 3 times for cluster U.

Gene Information:

Gene: Barnyard_63 Start: 44276, Stop: 44614, Start Num: 2
Candidate Starts for Barnyard_63:
(Start: 2 @44276 has 13 MA's), (5, 44372), (6, 44381), (7, 44384), (14, 44459), (19, 44501),

Gene: Beckerton_58 Start: 45671, Stop: 45991, Start Num: 2
Candidate Starts for Beckerton_58:
(1, 45581), (Start: 2 @45671 has 13 MA's), (3, 45737), (7, 45773), (13, 45845), (15, 45857), (17, 45869),

Gene: Cborch11_61 Start: 45189, Stop: 45500, Start Num: 2
Candidate Starts for Cborch11_61:
(1, 45099), (Start: 2 @45189 has 13 MA's), (3, 45255), (7, 45291), (13, 45363), (15, 45375), (17, 45387),

Gene: Damien_59 Start: 45151, Stop: 45462, Start Num: 2
Candidate Starts for Damien_59:
(1, 45061), (Start: 2 @45151 has 13 MA's), (3, 45217), (7, 45253), (13, 45325), (15, 45337), (17, 45349),

Gene: DrLupo_63 Start: 44385, Stop: 44681, Start Num: 2
Candidate Starts for DrLupo_63:
(Start: 2 @44385 has 13 MA's), (8, 44502), (14, 44568), (16, 44586), (19, 44610), (23, 44667),

Gene: Konstantine_63 Start: 45982, Stop: 46293, Start Num: 2
Candidate Starts for Konstantine_63:
(1, 45892), (Start: 2 @45982 has 13 MA's), (3, 46048), (7, 46084), (13, 46156), (15, 46168), (17, 46180),

Gene: Labelle_73 Start: 47778, Stop: 48047, Start Num: 2
Candidate Starts for Labelle_73:
(Start: 2 @47778 has 13 MA's), (5, 47868), (9, 47898), (10, 47901), (11, 47913), (12, 47934), (16, 47973), (18, 47988), (19, 47997), (22, 48024),

Gene: Madruga_71 Start: 47428, Stop: 47697, Start Num: 2
Candidate Starts for Madruga_71:

(Start: 2 @47428 has 13 MA's), (5, 47518), (9, 47548), (10, 47551), (11, 47563), (12, 47584), (16, 47623), (18, 47638), (19, 47647), (22, 47674),

Gene: Megatron06_62 Start: 45728, Stop: 46039, Start Num: 2
Candidate Starts for Megatron06_62:
(1, 45638), (Start: 2 @45728 has 13 MA's), (3, 45794), (7, 45830), (13, 45902), (15, 45914), (17, 45926),

Gene: Oaker_58 Start: 45443, Stop: 45763, Start Num: 2
Candidate Starts for Oaker_58:
(1, 45353), (Start: 2 @45443 has 13 MA's), (3, 45509), (7, 45545), (13, 45617), (15, 45629), (17, 45641),

Gene: Patience_73 Start: 48322, Stop: 48591, Start Num: 2
Candidate Starts for Patience_73:
(Start: 2 @48322 has 13 MA's), (5, 48412), (9, 48442), (10, 48445), (11, 48457), (12, 48478), (16, 48517), (18, 48532), (19, 48541), (22, 48568),

Gene: Phreeze_58 Start: 44748, Stop: 45059, Start Num: 2
Candidate Starts for Phreeze_58:
(1, 44658), (Start: 2 @44748 has 13 MA's), (3, 44814), (7, 44850), (13, 44922), (15, 44934), (17, 44946),

Gene: Predator_56 Start: 43061, Stop: 43378, Start Num: 2
Candidate Starts for Predator_56:
(Start: 2 @43061 has 13 MA's), (3, 43127), (13, 43235), (19, 43283), (20, 43298),

Gene: Puissant_60 Start: 44851, Stop: 45162, Start Num: 2
Candidate Starts for Puissant_60:
(Start: 2 @44851 has 13 MA's), (3, 44917), (4, 44938), (7, 44953), (13, 45025), (17, 45049), (20, 45088), (21, 45097),

Gene: Thumb_60 Start: 45183, Stop: 45494, Start Num: 2
Candidate Starts for Thumb_60:
(1, 45093), (Start: 2 @45183 has 13 MA's), (3, 45249), (7, 45285), (13, 45357), (15, 45369), (17, 45381),