Pham 140164


1
3
6
8
17
18
1: Pawn_41
3
6
8
17
18
2: Colbster_41
3
6
8
17
18
3: Snickers_41
4
15
4: Giroux_36
5
12
14
18
20
5: Candra_40 + 8
2
4
15
20
22
23
6: PP_42
7
9
10
11
13
16
19
21
24
7: Liandry_217 + 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 140164 Report

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

Pham number 140164 has 17 members, 11 are drafts.

Phages represented in each track:
• Track 1 : Pawn_41
• Track 2 : Colbster_41
• Track 3 : Snickers_41
• Track 4 : Giroux_36
• Track 5 : Candra_40, Chartreuse_40, Helmet_41, EricB_40, Garak_41, Dorothea_39, SuperCallie99_40, Pmask_40, Neeharika16_40
• Track 6 : PP_42
• Track 7 : Liandry_217, Navo_219, WhereRU_223

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

The start number called the most often in the published annotations is 18, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Candra_40, Chartreuse_40, Colbster_41, Dorothea_39, EricB_40, Garak_41, Helmet_41, Neeharika16_40, Pawn_41, Pmask_40, Snickers_41, SuperCallie99_40,

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

Genes that do not have the "Most Annotated" start:
• Giroux_36, Liandry_217, Navo_219, PP_42, WhereRU_223,

Summary by start number:

Start 15:
• Found in 2 of 17 (11.8%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Giroux_36 (A3), PP_42 (A7),

Start 16:
• Found in 3 of 17 (17.6%) of genes in pham

• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Liandry_217 (BE1), Navo_219 (BE1), WhereRU_223 (BE1),

Start 18:
• Found in 12 of 17 (70.6%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Candra_40 (A6), Chartreuse_40 (A6), Colbster_41 (A3), Dorothea_39 (A6), EricB_40 (A6), Garak_41 (A6), Helmet_41 (A6), Neeharika16_40 (A6), Pawn_41 (A3), Pmask_40 (A6), Snickers_41 (A3), SuperCallie99_40 (A6),

Summary by clusters:

There are 4 clusters represented in this pham: A3, BE1, A7, A6,

Info for manual annotations of cluster A3:
•Start number 18 was manually annotated 1 time for cluster A3.

Info for manual annotations of cluster A6:
•Start number 18 was manually annotated 3 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 15 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster BE1:
•Start number 16 was manually annotated 1 time for cluster BE1.

Gene Information:

Gene: Candra_40 Start: 26418, Stop: 26260, Start Num: 18
Candidate Starts for Candra_40:
(5, 26652), (12, 26505), (14, 26460), (Start: 18 @26418 has 4 MA's), (20, 26391),

Gene: Chartreuse_40 Start: 26329, Stop: 26171, Start Num: 18
Candidate Starts for Chartreuse_40:
(5, 26563), (12, 26416), (14, 26371), (Start: 18 @26329 has 4 MA's), (20, 26302),

Gene: Colbster_41 Start: 28348, Stop: 28193, Start Num: 18
Candidate Starts for Colbster_41:
(3, 28603), (6, 28576), (8, 28531), (17, 28360), (Start: 18 @28348 has 4 MA's),

Gene: Dorothea_39 Start: 26383, Stop: 26225, Start Num: 18
Candidate Starts for Dorothea_39:
(5, 26617), (12, 26470), (14, 26425), (Start: 18 @26383 has 4 MA's), (20, 26356),

Gene: EricB_40 Start: 26375, Stop: 26217, Start Num: 18
Candidate Starts for EricB_40:
(5, 26609), (12, 26462), (14, 26417), (Start: 18 @26375 has 4 MA's), (20, 26348),

Gene: Garak_41 Start: 26383, Stop: 26225, Start Num: 18
Candidate Starts for Garak_41:
(5, 26617), (12, 26470), (14, 26425), (Start: 18 @26383 has 4 MA's), (20, 26356),

Gene: Giroux_36 Start: 27600, Stop: 27412, Start Num: 15
Candidate Starts for Giroux_36:
(4, 27798), (Start: 15 @27600 has 1 MA's),

Gene: Helmet_41 Start: 26383, Stop: 26225, Start Num: 18
Candidate Starts for Helmet_41:
(5, 26617), (12, 26470), (14, 26425), (Start: 18 @26383 has 4 MA's), (20, 26356),

Gene: Liandry_217 Start: 108390, Stop: 108545, Start Num: 16
Candidate Starts for Liandry_217:
(7, 108231), (9, 108243), (10, 108255), (11, 108321), (13, 108342), (Start: 16 @108390 has 1 MA's),
(19, 108417), (21, 108435), (24, 108525),

Gene: Navo_219 Start: 106718, Stop: 106873, Start Num: 16
Candidate Starts for Navo_219:
(7, 106559), (9, 106571), (10, 106583), (11, 106649), (13, 106670), (Start: 16 @106718 has 1 MA's),
(19, 106745), (21, 106763), (24, 106853),

Gene: Neeharika16_40 Start: 26375, Stop: 26217, Start Num: 18
Candidate Starts for Neeharika16_40:
(5, 26609), (12, 26462), (14, 26417), (Start: 18 @26375 has 4 MA's), (20, 26348),

Gene: PP_42 Start: 32157, Stop: 31975, Start Num: 15
Candidate Starts for PP_42:
(2, 32478), (4, 32358), (Start: 15 @32157 has 1 MA's), (20, 32097), (22, 32001), (23, 31992),

Gene: Pawn_41 Start: 28174, Stop: 28019, Start Num: 18
Candidate Starts for Pawn_41:
(1, 28633), (3, 28429), (6, 28402), (8, 28357), (17, 28186), (Start: 18 @28174 has 4 MA's),

Gene: Pmask_40 Start: 26376, Stop: 26218, Start Num: 18
Candidate Starts for Pmask_40:
(5, 26610), (12, 26463), (14, 26418), (Start: 18 @26376 has 4 MA's), (20, 26349),

Gene: Snickers_41 Start: 28321, Stop: 28166, Start Num: 18
Candidate Starts for Snickers_41:
(3, 28576), (6, 28549), (8, 28504), (17, 28333), (Start: 18 @28321 has 4 MA's),

Gene: SuperCallie99_40 Start: 26374, Stop: 26216, Start Num: 18
Candidate Starts for SuperCallie99_40:
(5, 26608), (12, 26461), (14, 26416), (Start: 18 @26374 has 4 MA's), (20, 26347),

Gene: WhereRU_223 Start: 107915, Stop: 108070, Start Num: 16
Candidate Starts for WhereRU_223:
(7, 107756), (9, 107768), (10, 107780), (11, 107846), (13, 107867), (Start: 16 @107915 has 1 MA's),
(19, 107942), (21, 107960), (24, 108050),