Pham 194401


1: MiniMommy_30 + 2
2: VroomVroom_29
3: SpeedDemon_1180
4: Bantam_116
5: Daredevil_111
6: Kudefre_69 + 1
7: Syleon_70
8: Octobien14_69
9: Trax_73
10: Rabbitrun_73
11: Bazzle_86
12: Baudelaire_58 + 1
13: Rey_5

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 194401 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194401 has 17 members, 2 are drafts.

Phages represented in each track:
• Track 1 : MiniMommy_30, ShakeItOph_30, JasmineDragon_29
• Track 2 : VroomVroom_29
• Track 3 : SpeedDemon_1180
• Track 4 : Bantam_116
• Track 5 : Daredevil_111
• Track 6 : Kudefre_69, Sephiroth_68
• Track 7 : Syleon_70
• Track 8 : Octobien14_69
• Track 9 : Trax_73
• Track 10 : Rabbitrun_73
• Track 11 : Bazzle_86
• Track 12 : Baudelaire_58, Aegeus_58
• Track 13 : Rey_5

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

The start number called the most often in the published annotations is 8, it was called in 4 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aegeus_58, Baudelaire_58, Rabbitrun_73, Trax_73,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Bantam_116, Bazzle_86, Daredevil_111, JasmineDragon_29, Kudefre_69, MiniMommy_30, Octobien14_69, Rey_5, Sephiroth_68, ShakeItOph_30, SpeedDemon_1180, Syleon_70, VroomVroom_29,

Summary by start number:

Start 1:
• Found in 4 of 17 (23.5%) of genes in pham

• Manual Annotations of this start: 2 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JasmineDragon_29 (AZ4), MiniMommy_30 (AZ4), ShakeItOph_30 (AZ4), VroomVroom_29 (AZ4),

Start 2:
• Found in 4 of 17 (23.5%) of genes in pham
• Manual Annotations of this start: 4 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kudefre_69 (DU1), Octobien14_69 (DU1), Sephiroth_68 (DU1), Syleon_70 (DU1),

Start 6:
• Found in 3 of 17 (17.6%) of genes in pham
• Manual Annotations of this start: 2 of 15
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Daredevil_111 (DL), SpeedDemon_1180 (DL),

Start 8:
• Found in 4 of 17 (23.5%) of genes in pham
• Manual Annotations of this start: 4 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aegeus_58 (L5), Baudelaire_58 (L5), Rabbitrun_73 (DU2), Trax_73 (DU2),

Start 20:
• Found in 2 of 17 (11.8%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Bantam_116 (DL),

Start 21:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bazzle_86 (L2),

Start 25:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rey_5 (M2),

Summary by clusters:

There are 7 clusters represented in this pham: DL, L5, L2, M2, DU1, DU2, AZ4,

Info for manual annotations of cluster AZ4:
•Start number 1 was manually annotated 2 times for cluster AZ4.

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

•Start number 20 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster DU1:
•Start number 2 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 8 was manually annotated 2 times for cluster DU2.

Info for manual annotations of cluster L2:
•Start number 21 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L5:
•Start number 8 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M2:
•Start number 25 was manually annotated 1 time for cluster M2.

Gene Information:

Gene: Aegeus_58 Start: 40986, Stop: 41207, Start Num: 8
Candidate Starts for Aegeus_58:
(Start: 8 @40986 has 4 MA's), (13, 41001), (16, 41007),

Gene: Bantam_116 Start: 73048, Stop: 73236, Start Num: 20
Candidate Starts for Bantam_116:
(Start: 6 @73009 has 2 MA's), (Start: 20 @73048 has 1 MA's), (37, 73207),

Gene: Baudelaire_58 Start: 40986, Stop: 41207, Start Num: 8
Candidate Starts for Baudelaire_58:
(Start: 8 @40986 has 4 MA's), (13, 41001), (16, 41007),

Gene: Bazzle_86 Start: 57613, Stop: 57798, Start Num: 21
Candidate Starts for Bazzle_86:
(Start: 21 @57613 has 1 MA's), (23, 57619), (27, 57658), (30, 57697), (33, 57724),

Gene: Daredevil_111 Start: 69987, Stop: 70223, Start Num: 6
Candidate Starts for Daredevil_111:
(Start: 6 @69987 has 2 MA's), (14, 70011), (31, 70125), (36, 70191), (37, 70194),

Gene: JasmineDragon_29 Start: 22315, Stop: 22620, Start Num: 1
Candidate Starts for JasmineDragon_29:
(Start: 1 @22315 has 2 MA's), (9, 22396), (32, 22528), (38, 22591),

Gene: Kudefre_69 Start: 44258, Stop: 44521, Start Num: 2
Candidate Starts for Kudefre_69:
(Start: 2 @44258 has 4 MA's), (3, 44279), (4, 44282), (7, 44306), (18, 44336), (26, 44381), (32, 44429), (34, 44465), (35, 44474), (36, 44489), (37, 44492),

Gene: MiniMommy_30 Start: 22316, Stop: 22621, Start Num: 1
Candidate Starts for MiniMommy_30:
(Start: 1 @22316 has 2 MA's), (9, 22397), (32, 22529), (38, 22592),

Gene: Octobien14_69 Start: 44537, Stop: 44797, Start Num: 2
Candidate Starts for Octobien14_69:
(Start: 2 @44537 has 4 MA's), (3, 44558), (4, 44561), (7, 44585), (18, 44615), (19, 44618), (22, 44627), (34, 44741), (35, 44750), (36, 44765), (37, 44768),

Gene: Rabbitrun_73 Start: 44915, Stop: 45124, Start Num: 8
Candidate Starts for Rabbitrun_73:
(Start: 8 @44915 has 4 MA's), (12, 44927), (24, 44957), (30, 45020), (34, 45065),

Gene: Rey_5 Start: 2370, Stop: 2203, Start Num: 25
Candidate Starts for Rey_5:
(5, 2466), (16, 2424), (22, 2403), (Start: 25 @2370 has 1 MA's), (28, 2358), (29, 2322), (30, 2310),

Gene: Sephiroth_68 Start: 44430, Stop: 44693, Start Num: 2
Candidate Starts for Sephiroth_68:
(Start: 2 @44430 has 4 MA's), (3, 44451), (4, 44454), (7, 44478), (18, 44508), (26, 44553), (32, 44601), (34, 44637), (35, 44646), (36, 44661), (37, 44664),

Gene: ShakeItOph_30 Start: 22315, Stop: 22620, Start Num: 1
Candidate Starts for ShakeItOph_30:
(Start: 1 @22315 has 2 MA's), (9, 22396), (32, 22528), (38, 22591),

Gene: SpeedDemon_1180 Start: 76063, Stop: 76290, Start Num: 6
Candidate Starts for SpeedDemon_1180:
(Start: 6 @76063 has 2 MA's), (Start: 20 @76102 has 1 MA's), (37, 76261),

Gene: Syleon_70 Start: 44371, Stop: 44631, Start Num: 2
Candidate Starts for Syleon_70:
(Start: 2 @44371 has 4 MA's), (3, 44392), (4, 44395), (7, 44419), (18, 44449), (19, 44452), (34, 44575), (36, 44599), (37, 44602),

Gene: Trax_73 Start: 45629, Stop: 45832, Start Num: 8
Candidate Starts for Trax_73:
(Start: 8 @45629 has 4 MA's), (11, 45638), (12, 45641), (15, 45647), (17, 45650), (36, 45800), (37, 45803), (39, 45824),

Gene: VroomVroom_29 Start: 22410, Stop: 22715, Start Num: 1
Candidate Starts for VroomVroom_29:
(Start: 1 @22410 has 2 MA's), (10, 22497), (32, 22623), (38, 22686),