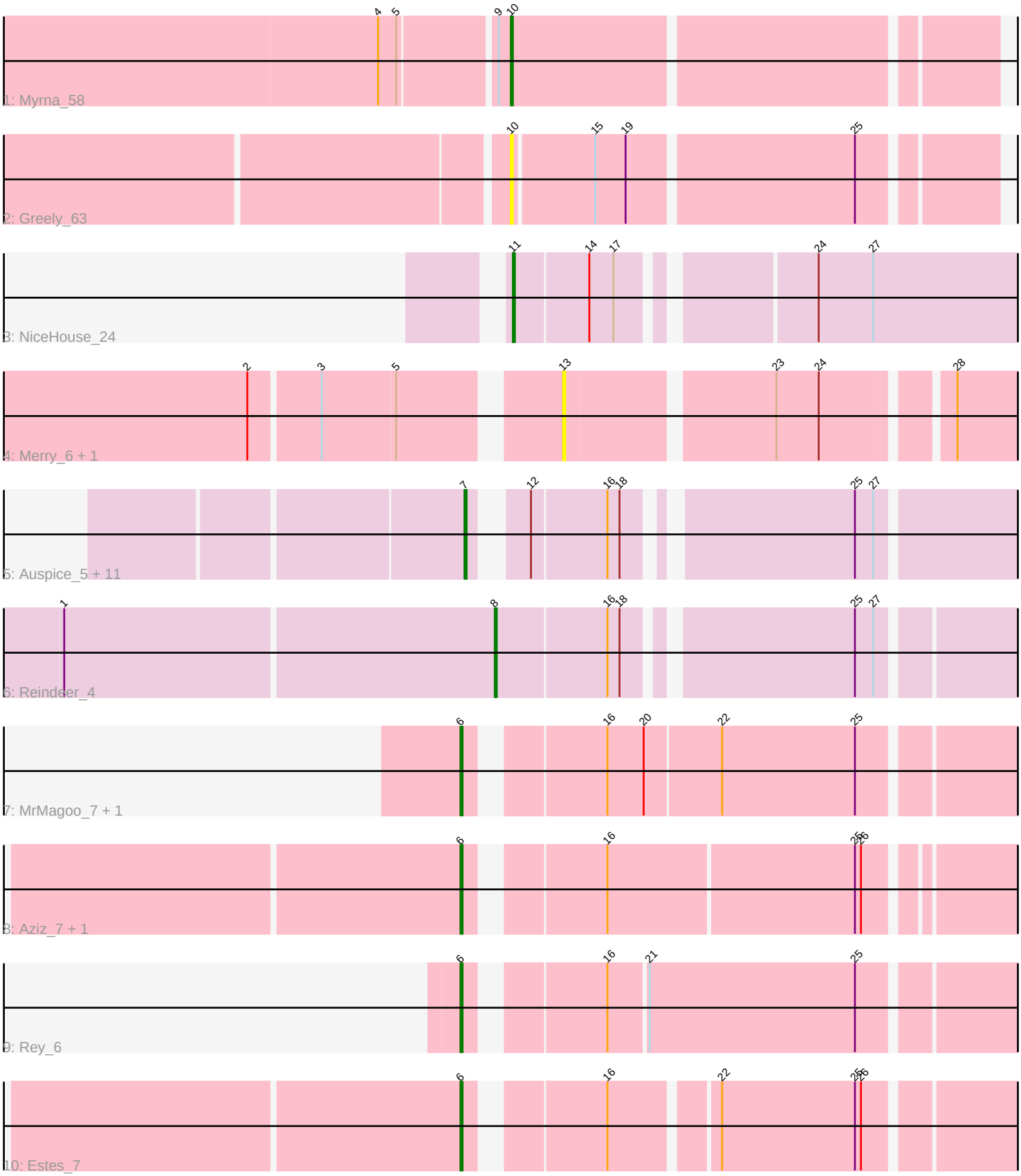
Pham 194296


4
5
9
10
1: Myrna_58
10
15
19
25
2: Greely_63
11
14
17
24
27
3: NiceHouse_24
2
3
5
13
23
24
28
4: Merry_6 + 1
7
12
16
18
25
27
5: Auspice_5 + 11
1
8
16
18
25
27
6: Reindeer_4
6
16
20
22
25
7: MrMagoo_7 + 1
6
16
25
26
8: Aziz_7 + 1
6
16
21
25
9: Rey_6
6
16
22
25
26
10: Estes_7

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 194296 Report

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

Pham number 194296 has 24 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Myrna_58
• Track 2 : Greely_63
• Track 3 : NiceHouse_24
• Track 4 : Merry_6, Sunny_6
• Track 5 : Auspice_5, Diminimus_6, TyDawg_5, Dulcita_6, PegLeg_5, Bongo_5, LilhomieP_5, Glaske16_6, SlimJimmy_5, Bricole_5, Skinny_6, IPhane7_5
• Track 6 : Reindeer_4
• Track 7 : MrMagoo_7, GardenSalsa_7
• Track 8 : Aziz_7, GenevaB15_7
• Track 9 : Rey_6
• Track 10 : Estes_7

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

The start number called the most often in the published annotations is 7, it was called in 12 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auspice_5, Bongo_5, Bricole_5, Diminimus_6, Dulcita_6, Glaske16_6, IPhane7_5, LilhomieP_5, PegLeg_5, Skinny_6, SlimJimmy_5, TyDawg_5,

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

Genes that do not have the "Most Annotated" start:
• Aziz_7, Estes_7, GardenSalsa_7, GenevaB15_7, Greely_63, Merry_6, MrMagoo_7, Myrna_58, NiceHouse_24, Reindeer_4, Rey_6, Sunny_6,

Summary by start number:

Start 6:
• Found in 6 of 24 (25.0%) of genes in pham
• Manual Annotations of this start: 6 of 21
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Aziz_7 (M2), Estes_7 (M2), GardenSalsa_7 (M2), GenevaB15_7 (M2), MrMagoo_7 (M2), Rey_6 (M2),

Start 7:
• Found in 12 of 24 (50.0%) of genes in pham
• Manual Annotations of this start: 12 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Auspice_5 (M1), Bongo_5 (M1), Bricole_5 (M1), Diminimus_6 (M1), Dulcita_6 (M1), Glaske16_6 (M1), IPhane7_5 (M1), LilhomieP_5 (M1), PegLeg_5 (M1), Skinny_6 (M1), SlimJimmy_5 (M1), TyDawg_5 (M1),

Start 8:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Reindeer_4 (M1),

Start 10:
• Found in 2 of 24 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Greely_63 (C2), Myrna_58 (C2),

Start 11:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NiceHouse_24 (CE),

Start 13:
• Found in 2 of 24 (8.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Merry_6 (EC), Sunny_6 (EC),

Summary by clusters:

There are 5 clusters represented in this pham: C2, M1, CE, EC, M2,

Info for manual annotations of cluster C2:
•Start number 10 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster CE:
•Start number 11 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster M1:
•Start number 7 was manually annotated 12 times for cluster M1.
•Start number 8 was manually annotated 1 time for cluster M1.

Info for manual annotations of cluster M2:
•Start number 6 was manually annotated 6 times for cluster M2.

Gene Information:

Gene: Auspice_5 Start: 2366, Stop: 2133, Start Num: 7
Candidate Starts for Auspice_5:
(Start: 7 @2366 has 12 MA's), (12, 2348), (16, 2312), (18, 2306), (25, 2207), (27, 2198),

Gene: Aziz_7 Start: 2636, Stop: 2391, Start Num: 6
Candidate Starts for Aziz_7:
(Start: 6 @2636 has 6 MA's), (16, 2579), (25, 2459), (26, 2456),

Gene: Bongo_5 Start: 2366, Stop: 2133, Start Num: 7
Candidate Starts for Bongo_5:
(Start: 7 @2366 has 12 MA's), (12, 2348), (16, 2312), (18, 2306), (25, 2207), (27, 2198),

Gene: Bricole_5 Start: 2365, Stop: 2132, Start Num: 7
Candidate Starts for Bricole_5:
(Start: 7 @2365 has 12 MA's), (12, 2347), (16, 2311), (18, 2305), (25, 2206), (27, 2197),

Gene: Diminimus_6 Start: 2365, Stop: 2132, Start Num: 7
Candidate Starts for Diminimus_6:
(Start: 7 @2365 has 12 MA's), (12, 2347), (16, 2311), (18, 2305), (25, 2206), (27, 2197),

Gene: Dulcita_6 Start: 2365, Stop: 2132, Start Num: 7
Candidate Starts for Dulcita_6:
(Start: 7 @2365 has 12 MA's), (12, 2347), (16, 2311), (18, 2305), (25, 2206), (27, 2197),

Gene: Estes_7 Start: 2641, Stop: 2399, Start Num: 6
Candidate Starts for Estes_7:
(Start: 6 @2641 has 6 MA's), (16, 2584), (22, 2536), (25, 2470), (26, 2467),

Gene: GardenSalsa_7 Start: 2660, Stop: 2412, Start Num: 6
Candidate Starts for GardenSalsa_7:
(Start: 6 @2660 has 6 MA's), (16, 2603), (20, 2585), (22, 2549), (25, 2483),

Gene: GenevaB15_7 Start: 2636, Stop: 2391, Start Num: 6
Candidate Starts for GenevaB15_7:
(Start: 6 @2636 has 6 MA's), (16, 2579), (25, 2459), (26, 2456),

Gene: Glaske16_6 Start: 2365, Stop: 2132, Start Num: 7
Candidate Starts for Glaske16_6:
(Start: 7 @2365 has 12 MA's), (12, 2347), (16, 2311), (18, 2305), (25, 2206), (27, 2197),

Gene: Greely_63 Start: 23265, Stop: 23489, Start Num: 10
Candidate Starts for Greely_63:
(Start: 10 @23265 has 1 MA's), (15, 23304), (19, 23319), (25, 23427),

Gene: IPhane7_5 Start: 2366, Stop: 2133, Start Num: 7
Candidate Starts for IPhane7_5:
(Start: 7 @2366 has 12 MA's), (12, 2348), (16, 2312), (18, 2306), (25, 2207), (27, 2198),

Gene: LilhomieP_5 Start: 2366, Stop: 2133, Start Num: 7
Candidate Starts for LilhomieP_5:
(Start: 7 @2366 has 12 MA's), (12, 2348), (16, 2312), (18, 2306), (25, 2207), (27, 2198),

Gene: Merry_6 Start: 3204, Stop: 3419, Start Num: 13
Candidate Starts for Merry_6:
(2, 3066), (3, 3099), (5, 3135), (13, 3204), (23, 3300), (24, 3321), (28, 3378),

Gene: MrMagoo_7 Start: 2660, Stop: 2412, Start Num: 6
Candidate Starts for MrMagoo_7:
(Start: 6 @2660 has 6 MA's), (16, 2603), (20, 2585), (22, 2549), (25, 2483),

Gene: Myrna_58 Start: 22613, Stop: 22840, Start Num: 10
Candidate Starts for Myrna_58:
(4, 22553), (5, 22562), (9, 22607), (Start: 10 @22613 has 1 MA's),

Gene: NiceHouse_24 Start: 11340, Stop: 11110, Start Num: 11
Candidate Starts for NiceHouse_24:
(Start: 11 @11340 has 1 MA's), (14, 11304), (17, 11292), (24, 11208), (27, 11181),

Gene: PegLeg_5 Start: 2365, Stop: 2132, Start Num: 7
Candidate Starts for PegLeg_5:
(Start: 7 @2365 has 12 MA's), (12, 2347), (16, 2311), (18, 2305), (25, 2206), (27, 2197),

Gene: Reindeer_4 Start: 2200, Stop: 1967, Start Num: 8
Candidate Starts for Reindeer_4:
(1, 2410), (Start: 8 @2200 has 1 MA's), (16, 2146), (18, 2140), (25, 2038), (27, 2029),

Gene: Rey_6 Start: 2648, Stop: 2400, Start Num: 6
Candidate Starts for Rey_6:
(Start: 6 @2648 has 6 MA's), (16, 2591), (21, 2573), (25, 2471),

Gene: Skinny_6 Start: 2365, Stop: 2132, Start Num: 7
Candidate Starts for Skinny_6:
(Start: 7 @2365 has 12 MA's), (12, 2347), (16, 2311), (18, 2305), (25, 2206), (27, 2197),

Gene: SlimJimmy_5 Start: 2365, Stop: 2132, Start Num: 7
Candidate Starts for SlimJimmy_5:
(Start: 7 @2365 has 12 MA's), (12, 2347), (16, 2311), (18, 2305), (25, 2206), (27, 2197),

Gene: Sunny_6 Start: 3204, Stop: 3419, Start Num: 13
Candidate Starts for Sunny_6:
(2, 3066), (3, 3099), (5, 3135), (13, 3204), (23, 3300), (24, 3321), (28, 3378),

Gene: TyDawg_5 Start: 2366, Stop: 2133, Start Num: 7
Candidate Starts for TyDawg_5:
(Start: 7 @2366 has 12 MA's), (12, 2348), (16, 2312), (18, 2306), (25, 2207), (27, 2198),