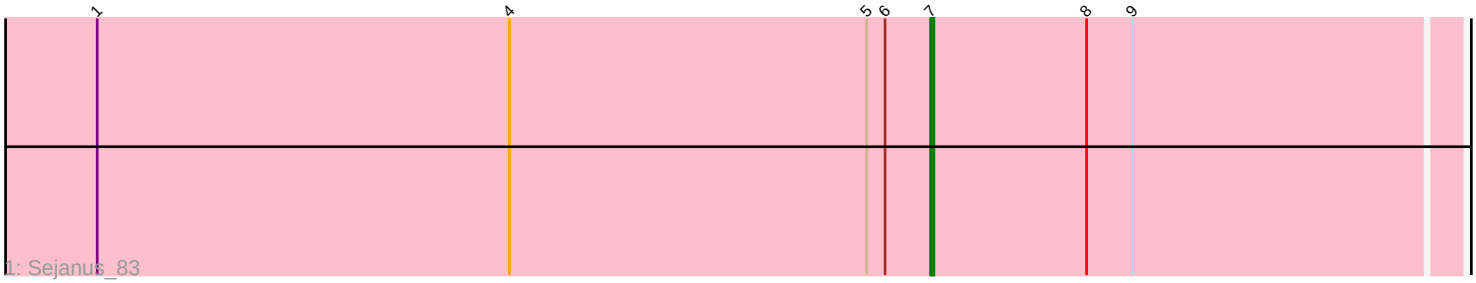
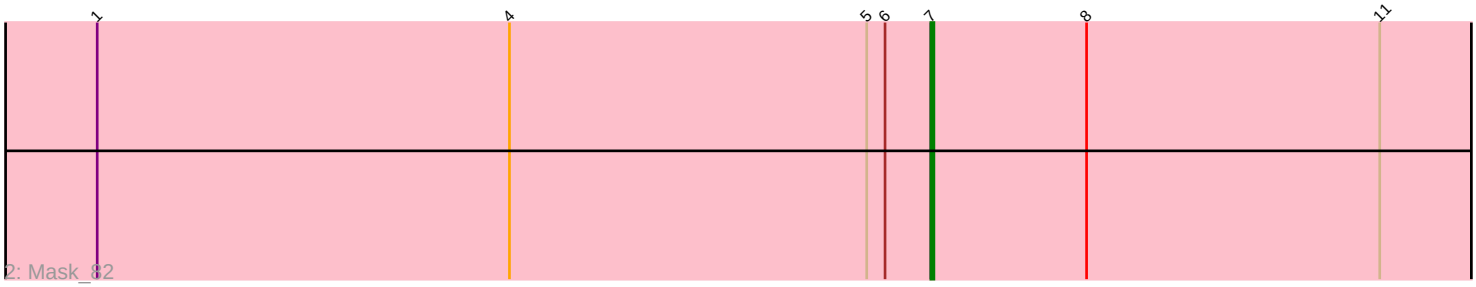
Pham 203222


1
4
5
6
7
8
9
1: Sejanus_83


1
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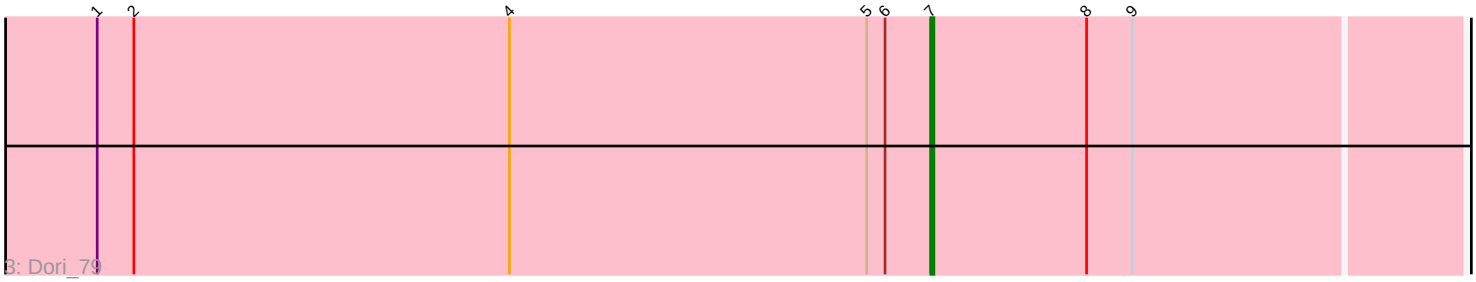
11
2: Mask_82


1
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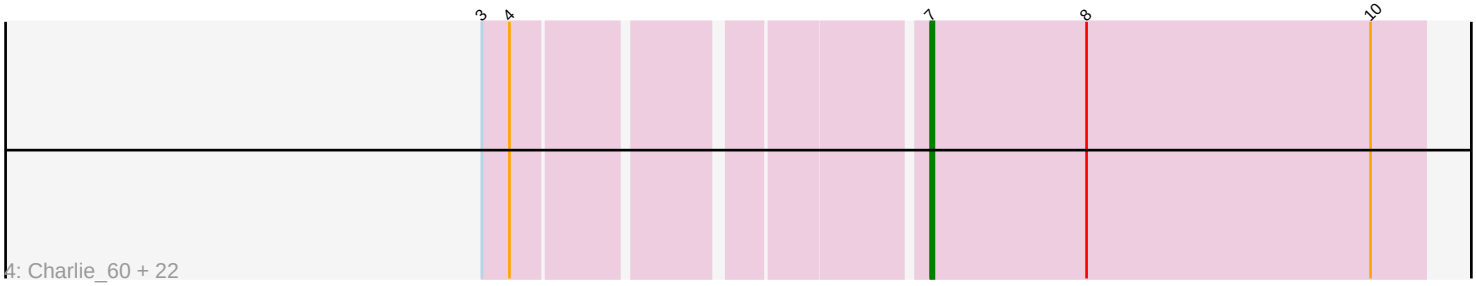
3: Dori_79


3
4
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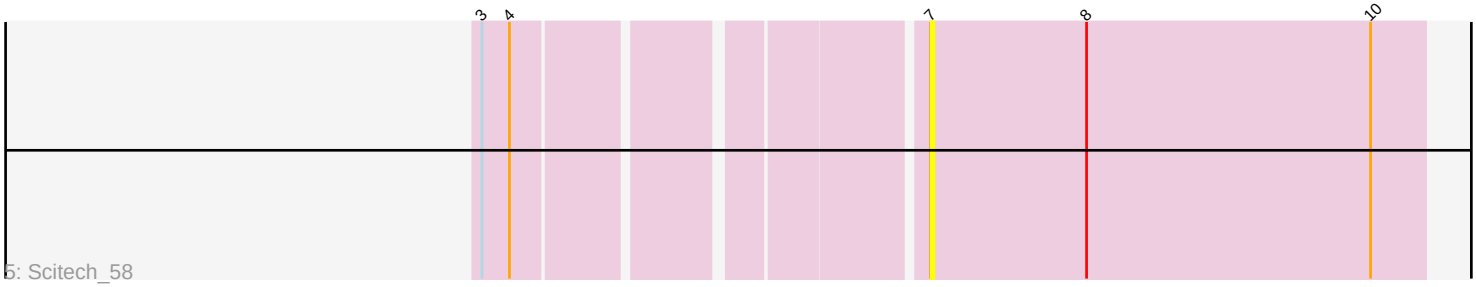
10
4: Charlie_60 + 22


3
4
7
8
10
5: Scitech_58

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 203222 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203222 has 27 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Sejanus_83
• Track 2 : Mask_82
• Track 3 : Dori_79
• Track 4 : Charlie_60, Melville_68, EGUnicorn_61, Xerxes_63, Magsby_62, Bosection6_62, Chewbacca_66, Pipsqueaks_64, Schnauzer_64, Philonius_63, Smurph_63, Aggie_59, Silvy_59, Silvafighter_65, SkinnyPete_60, Phloss_61, Fulbright_61, Tapioca_61, Duplicity_61, Parmesanjohn_63, Andies_57, Carcharodon_63, Gex_64
• Track 5 : Scitech_58

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 24 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aggie_59, Andies_57, Bosection6_62, Carcharodon_63, Charlie_60, Chewbacca_66, Dori_79, Duplicity_61, EGUnicorn_61, Fulbright_61, Gex_64, Magsby_62, Mask_82, Melville_68, Parmesanjohn_63, Philonius_63, Phloss_61, Pipsqueaks_64, Schnauzer_64, Scitech_58, Sejanus_83, Silvafighter_65, Silvy_59, SkinnyPete_60, Smurph_63, Tapioca_61, Xerxes_63,

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 7:
• Found in 27 of 27 (100.0%) of genes in pham
• Manual Annotations of this start: 24 of 24
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Aggie_59 (N), Andies_57 (N), Bosection6_62 (N), Carcharodon_63 (N), Charlie_60 (N), Chewbacca_66 (N), Dori_79 (AD), Duplicity_61 (N), EGUnicorn_61 (N), Fulbright_61 (N), Gex_64 (N), Magsby_62 (N), Mask_82 (AD), Melville_68 (N), Parmesanjohn_63 (N), Philonius_63 (N), Phloss_61 (N), Pipsqueaks_64 (N), Schnauzer_64 (N), Scitech_58 (N), Sejanus_83 (AD), Silvafighter_65 (N), Silvy_59 (N), SkinnyPete_60 (N), Smurph_63 (N), Tapioca_61 (N), Xerxes_63 (N),

Summary by clusters:

There are 2 clusters represented in this pham: AD, N,

Info for manual annotations of cluster AD:
•Start number 7 was manually annotated 3 times for cluster AD.

Info for manual annotations of cluster N:
•Start number 7 was manually annotated 21 times for cluster N.

Gene Information:

Gene: Aggie_59 Start: 39996, Stop: 40157, Start Num: 7
Candidate Starts for Aggie_59:
(3, 39867), (4, 39876), (Start: 7 @39996 has 24 MA's), (8, 40047), (10, 40140),

Gene: Andies_57 Start: 39441, Stop: 39602, Start Num: 7
Candidate Starts for Andies_57:
(3, 39312), (4, 39321), (Start: 7 @39441 has 24 MA's), (8, 39492), (10, 39585),

Gene: Bosection6_62 Start: 39045, Stop: 39206, Start Num: 7
Candidate Starts for Bosection6_62:
(3, 38916), (4, 38925), (Start: 7 @39045 has 24 MA's), (8, 39096), (10, 39189),

Gene: Carcharodon_63 Start: 39343, Stop: 39504, Start Num: 7
Candidate Starts for Carcharodon_63:
(3, 39214), (4, 39223), (Start: 7 @39343 has 24 MA's), (8, 39394), (10, 39487),

Gene: Charlie_60 Start: 38669, Stop: 38830, Start Num: 7
Candidate Starts for Charlie_60:
(3, 38540), (4, 38549), (Start: 7 @38669 has 24 MA's), (8, 38720), (10, 38813),

Gene: Chewbacca_66 Start: 39238, Stop: 39399, Start Num: 7
Candidate Starts for Chewbacca_66:
(3, 39109), (4, 39118), (Start: 7 @39238 has 24 MA's), (8, 39289), (10, 39382),

Gene: Dori_79 Start: 57323, Stop: 57493, Start Num: 7
Candidate Starts for Dori_79:
(1, 57050), (2, 57062), (4, 57185), (5, 57302), (6, 57308), (Start: 7 @57323 has 24 MA's), (8, 57374), (9, 57389),

Gene: Duplicity_61 Start: 38600, Stop: 38761, Start Num: 7
Candidate Starts for Duplicity_61:

(3, 38471), (4, 38480), (Start: 7 @38600 has 24 MA's), (8, 38651), (10, 38744),

Gene: EGUnicorn_61 Start: 37666, Stop: 37827, Start Num: 7
Candidate Starts for EGUnicorn_61:
(3, 37537), (4, 37546), (Start: 7 @37666 has 24 MA's), (8, 37717), (10, 37810),

Gene: Fulbright_61 Start: 38037, Stop: 38198, Start Num: 7
Candidate Starts for Fulbright_61:
(3, 37908), (4, 37917), (Start: 7 @38037 has 24 MA's), (8, 38088), (10, 38181),

Gene: Gex_64 Start: 39359, Stop: 39520, Start Num: 7
Candidate Starts for Gex_64:
(3, 39230), (4, 39239), (Start: 7 @39359 has 24 MA's), (8, 39410), (10, 39503),

Gene: Magsby_62 Start: 39305, Stop: 39466, Start Num: 7
Candidate Starts for Magsby_62:
(3, 39176), (4, 39185), (Start: 7 @39305 has 24 MA's), (8, 39356), (10, 39449),

Gene: Mask_82 Start: 58615, Stop: 58812, Start Num: 7
Candidate Starts for Mask_82:
(1, 58342), (4, 58477), (5, 58594), (6, 58600), (Start: 7 @58615 has 24 MA's), (8, 58666), (11, 58762),

Gene: Melville_68 Start: 38914, Stop: 39075, Start Num: 7
Candidate Starts for Melville_68:
(3, 38785), (4, 38794), (Start: 7 @38914 has 24 MA's), (8, 38965), (10, 39058),

Gene: Parmesanjohn_63 Start: 39363, Stop: 39524, Start Num: 7
Candidate Starts for Parmesanjohn_63:
(3, 39234), (4, 39243), (Start: 7 @39363 has 24 MA's), (8, 39414), (10, 39507),

Gene: Philonius_63 Start: 39528, Stop: 39689, Start Num: 7
Candidate Starts for Philonius_63:
(3, 39399), (4, 39408), (Start: 7 @39528 has 24 MA's), (8, 39579), (10, 39672),

Gene: Phloss_61 Start: 38770, Stop: 38931, Start Num: 7
Candidate Starts for Phloss_61:
(3, 38641), (4, 38650), (Start: 7 @38770 has 24 MA's), (8, 38821), (10, 38914),

Gene: Pipsqueaks_64 Start: 39341, Stop: 39502, Start Num: 7
Candidate Starts for Pipsqueaks_64:
(3, 39212), (4, 39221), (Start: 7 @39341 has 24 MA's), (8, 39392), (10, 39485),

Gene: Schnauzer_64 Start: 39363, Stop: 39524, Start Num: 7
Candidate Starts for Schnauzer_64:
(3, 39234), (4, 39243), (Start: 7 @39363 has 24 MA's), (8, 39414), (10, 39507),

Gene: Scitech_58 Start: 38766, Stop: 38927, Start Num: 7
Candidate Starts for Scitech_58:
(3, 38637), (4, 38646), (Start: 7 @38766 has 24 MA's), (8, 38817), (10, 38910),

Gene: Sejanus_83 Start: 57471, Stop: 57641, Start Num: 7
Candidate Starts for Sejanus_83:
(1, 57198), (4, 57333), (5, 57450), (6, 57456), (Start: 7 @57471 has 24 MA's), (8, 57522), (9, 57537),

Gene: Silvafighter_65 Start: 38906, Stop: 39067, Start Num: 7
Candidate Starts for Silvafighter_65:
(3, 38777), (4, 38786), (Start: 7 @38906 has 24 MA's), (8, 38957), (10, 39050),

Gene: Silvy_59 Start: 39996, Stop: 40157, Start Num: 7
Candidate Starts for Silvy_59:
(3, 39867), (4, 39876), (Start: 7 @39996 has 24 MA's), (8, 40047), (10, 40140),

Gene: SkinnyPete_60 Start: 39110, Stop: 39271, Start Num: 7
Candidate Starts for SkinnyPete_60:
(3, 38981), (4, 38990), (Start: 7 @39110 has 24 MA's), (8, 39161), (10, 39254),

Gene: Smurph_63 Start: 39363, Stop: 39524, Start Num: 7
Candidate Starts for Smurph_63:
(3, 39234), (4, 39243), (Start: 7 @39363 has 24 MA's), (8, 39414), (10, 39507),

Gene: Tapioca_61 Start: 39880, Stop: 40041, Start Num: 7
Candidate Starts for Tapioca_61:
(3, 39751), (4, 39760), (Start: 7 @39880 has 24 MA's), (8, 39931), (10, 40024),

Gene: Xerxes_63 Start: 39360, Stop: 39521, Start Num: 7
Candidate Starts for Xerxes_63:
(3, 39231), (4, 39240), (Start: 7 @39360 has 24 MA's), (8, 39411), (10, 39504),