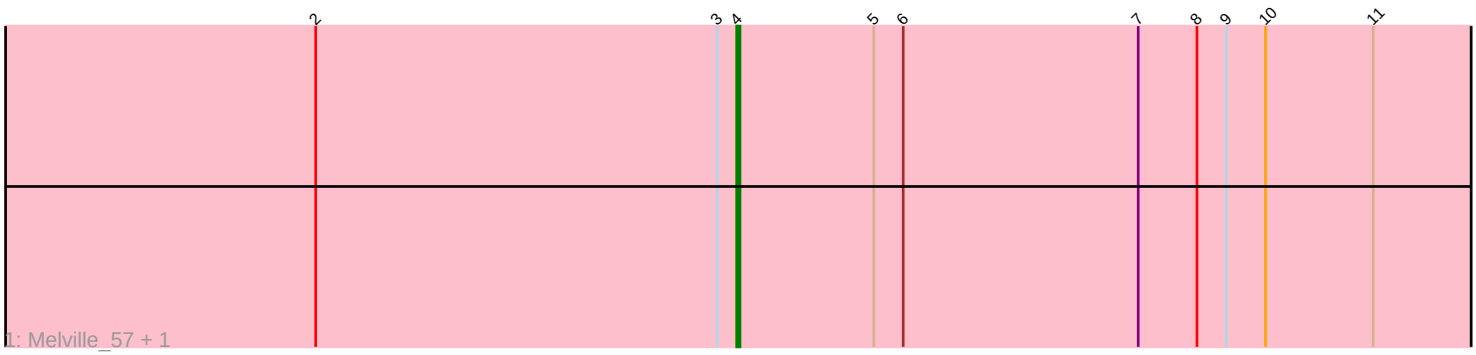
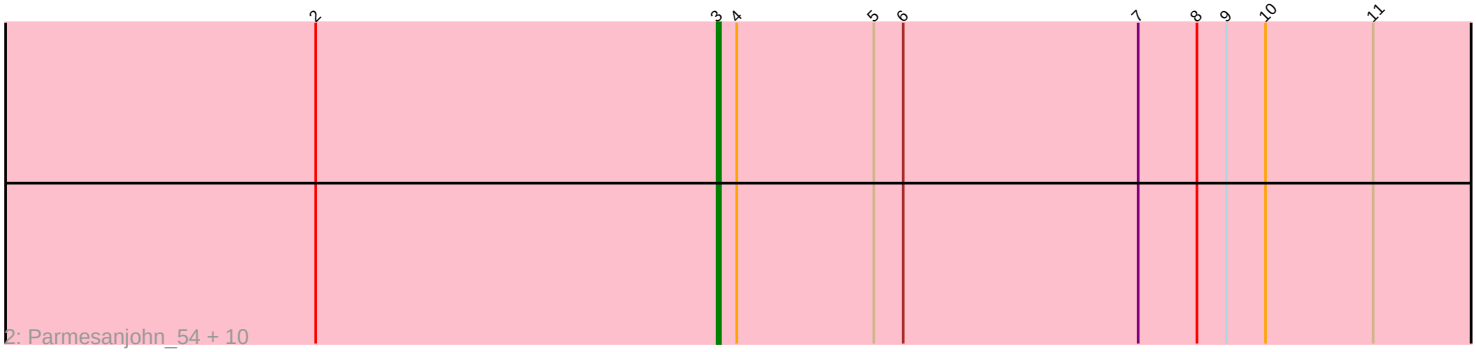
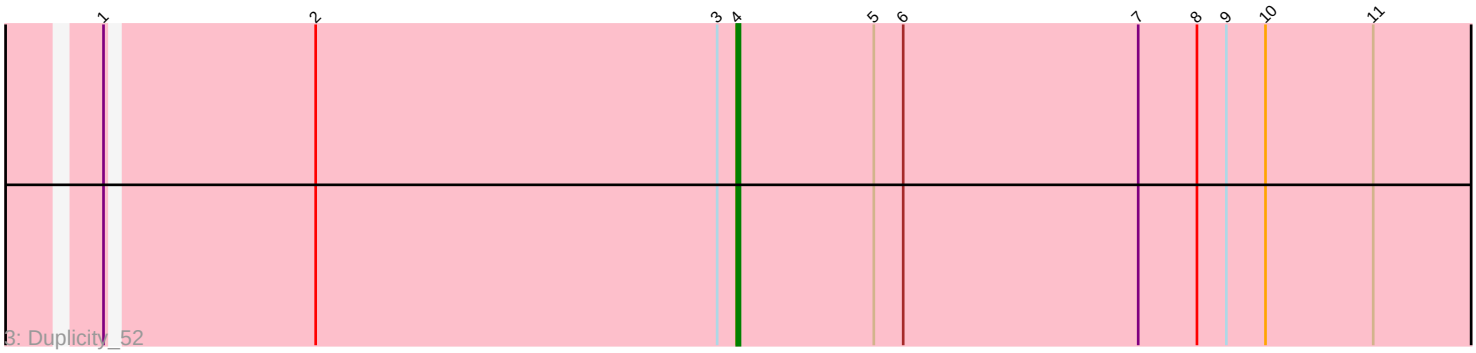
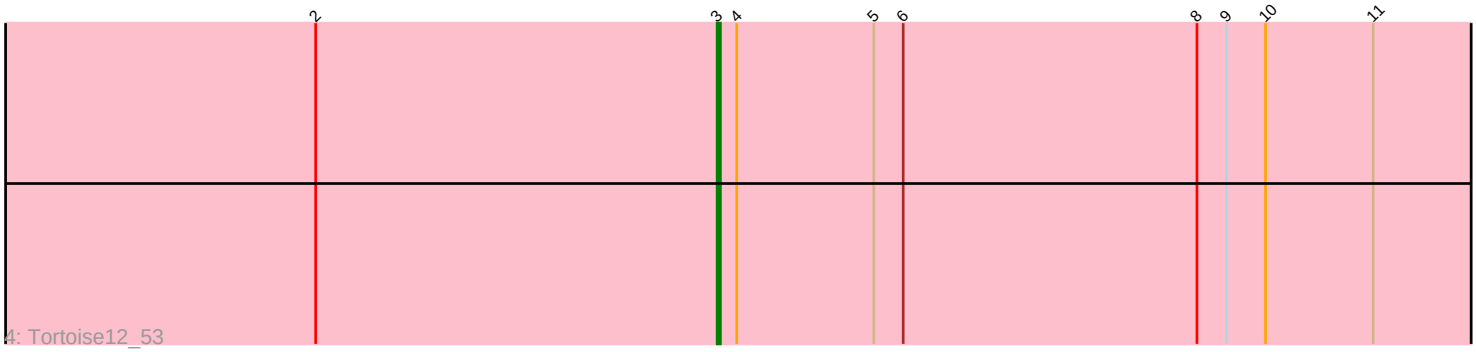
Pham 346258


2
3
4
5
6
7
8
9
10
11
1: Melville_57 + 1


2
3
4
5
6
7
8
9
10
11
2: Parmesanjohn_54 + 10


1
2
3
4
5
6
7
8
9
10
11
3: Duplicity_52


2
3
4
5
6
8
9
10
11
4: Tortoise12_53

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 346258 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346258 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Melville_57, Fulbright_53
• Track 2 : Parmesanjohn_54, Carcharodon_54, Schnauzer_55, Silvafighter_55, Pipsqueaks_55, Phloss_52, Magsby_54, Xerxes_54, Gex_54, Chewbacca_56, Smurph_54
• Track 3 : Duplicity_52
• Track 4 : Tortoise12_53

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

The start number called the most often in the published annotations is 3, it was called in 12 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Carcharodon_54, Chewbacca_56, Gex_54, Magsby_54, Parmesanjohn_54, Phloss_52, Pipsqueaks_55, Schnauzer_55, Silvafighter_55, Smurph_54, Tortoise12_53, Xerxes_54,

Genes that have the "Most Annotated" start but do not call it:
• Duplicity_52, Fulbright_53, Melville_57,

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

Summary by start number:

Start 3:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 15
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Carcharodon_54 (N), Chewbacca_56 (N), Gex_54 (N), Magsby_54 (N), Parmesanjohn_54 (N), Phloss_52 (N), Pipsqueaks_55 (N), Schnauzer_55 (N), Silvafighter_55 (N), Smurph_54 (N), Tortoise12_53 (N), Xerxes_54 (N),

Start 4:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 15
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Duplicity_52 (N), Fulbright_53 (N), Melville_57 (N),

Summary by clusters:

There is one cluster represented in this pham: N

Info for manual annotations of cluster N:
•Start number 3 was manually annotated 12 times for cluster N.
•Start number 4 was manually annotated 3 times for cluster N.

Gene Information:

Gene: Carcharodon_54 Start: 35861, Stop: 36160, Start Num: 3
Candidate Starts for Carcharodon_54:
(2, 35738), (Start: 3 @35861 has 12 MA's), (Start: 4 @35867 has 3 MA's), (5, 35909), (6, 35918), (7, 35990), (8, 36008), (9, 36017), (10, 36029), (11, 36062),

Gene: Chewbacca_56 Start: 35861, Stop: 36160, Start Num: 3
Candidate Starts for Chewbacca_56:
(2, 35738), (Start: 3 @35861 has 12 MA's), (Start: 4 @35867 has 3 MA's), (5, 35909), (6, 35918), (7, 35990), (8, 36008), (9, 36017), (10, 36029), (11, 36062),

Gene: Duplicity_52 Start: 35554, Stop: 35847, Start Num: 4
Candidate Starts for Duplicity_52:
(1, 35365), (2, 35425), (Start: 3 @35548 has 12 MA's), (Start: 4 @35554 has 3 MA's), (5, 35596), (6, 35605), (7, 35677), (8, 35695), (9, 35704), (10, 35716), (11, 35749),

Gene: Fulbright_53 Start: 34956, Stop: 35249, Start Num: 4
Candidate Starts for Fulbright_53:
(2, 34827), (Start: 3 @34950 has 12 MA's), (Start: 4 @34956 has 3 MA's), (5, 34998), (6, 35007), (7, 35079), (8, 35097), (9, 35106), (10, 35118), (11, 35151),

Gene: Gex_54 Start: 35877, Stop: 36176, Start Num: 3
Candidate Starts for Gex_54:
(2, 35754), (Start: 3 @35877 has 12 MA's), (Start: 4 @35883 has 3 MA's), (5, 35925), (6, 35934), (7, 36006), (8, 36024), (9, 36033), (10, 36045), (11, 36078),

Gene: Magsby_54 Start: 35878, Stop: 36177, Start Num: 3
Candidate Starts for Magsby_54:
(2, 35755), (Start: 3 @35878 has 12 MA's), (Start: 4 @35884 has 3 MA's), (5, 35926), (6, 35935), (7, 36007), (8, 36025), (9, 36034), (10, 36046), (11, 36079),

Gene: Melville_57 Start: 35868, Stop: 36161, Start Num: 4
Candidate Starts for Melville_57:
(2, 35739), (Start: 3 @35862 has 12 MA's), (Start: 4 @35868 has 3 MA's), (5, 35910), (6, 35919), (7, 35991), (8, 36009), (9, 36018), (10, 36030), (11, 36063),

Gene: Parmesanjohn_54 Start: 35881, Stop: 36180, Start Num: 3
Candidate Starts for Parmesanjohn_54:
(2, 35758), (Start: 3 @35881 has 12 MA's), (Start: 4 @35887 has 3 MA's), (5, 35929), (6, 35938), (7, 36010), (8, 36028), (9, 36037), (10, 36049), (11, 36082),

Gene: Phloss_52 Start: 35288, Stop: 35587, Start Num: 3
Candidate Starts for Phloss_52:
(2, 35165), (Start: 3 @35288 has 12 MA's), (Start: 4 @35294 has 3 MA's), (5, 35336), (6, 35345), (7, 35417), (8, 35435), (9, 35444), (10, 35456), (11, 35489),

Gene: Pipsqueaks_55 Start: 35859, Stop: 36158, Start Num: 3
Candidate Starts for Pipsqueaks_55:
(2, 35736), (Start: 3 @35859 has 12 MA's), (Start: 4 @35865 has 3 MA's), (5, 35907), (6, 35916), (7, 35988), (8, 36006), (9, 36015), (10, 36027), (11, 36060),

Gene: Schnauzer_55 Start: 35881, Stop: 36180, Start Num: 3
Candidate Starts for Schnauzer_55:
(2, 35758), (Start: 3 @35881 has 12 MA's), (Start: 4 @35887 has 3 MA's), (5, 35929), (6, 35938), (7, 36010), (8, 36028), (9, 36037), (10, 36049), (11, 36082),

Gene: Silvafighter_55 Start: 35854, Stop: 36153, Start Num: 3
Candidate Starts for Silvafighter_55:
(2, 35731), (Start: 3 @35854 has 12 MA's), (Start: 4 @35860 has 3 MA's), (5, 35902), (6, 35911), (7, 35983), (8, 36001), (9, 36010), (10, 36022), (11, 36055),

Gene: Smurph_54 Start: 35881, Stop: 36180, Start Num: 3
Candidate Starts for Smurph_54:
(2, 35758), (Start: 3 @35881 has 12 MA's), (Start: 4 @35887 has 3 MA's), (5, 35929), (6, 35938), (7, 36010), (8, 36028), (9, 36037), (10, 36049), (11, 36082),

Gene: Tortoise12_53 Start: 34564, Stop: 34863, Start Num: 3
Candidate Starts for Tortoise12_53:
(2, 34441), (Start: 3 @34564 has 12 MA's), (Start: 4 @34570 has 3 MA's), (5, 34612), (6, 34621), (8, 34711), (9, 34720), (10, 34732), (11, 34765),

Gene: Xerxes_54 Start: 35878, Stop: 36177, Start Num: 3
Candidate Starts for Xerxes_54:
(2, 35755), (Start: 3 @35878 has 12 MA's), (Start: 4 @35884 has 3 MA's), (5, 35926), (6, 35935), (7, 36007), (8, 36025), (9, 36034), (10, 36046), (11, 36079),