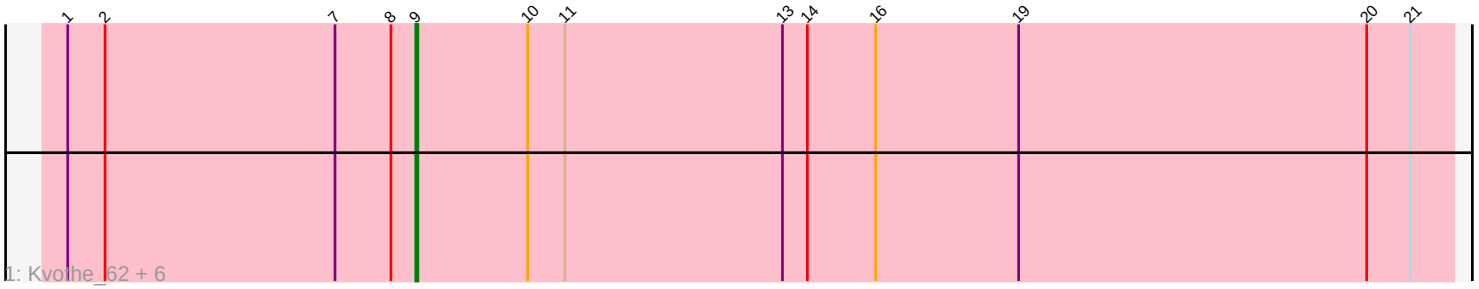
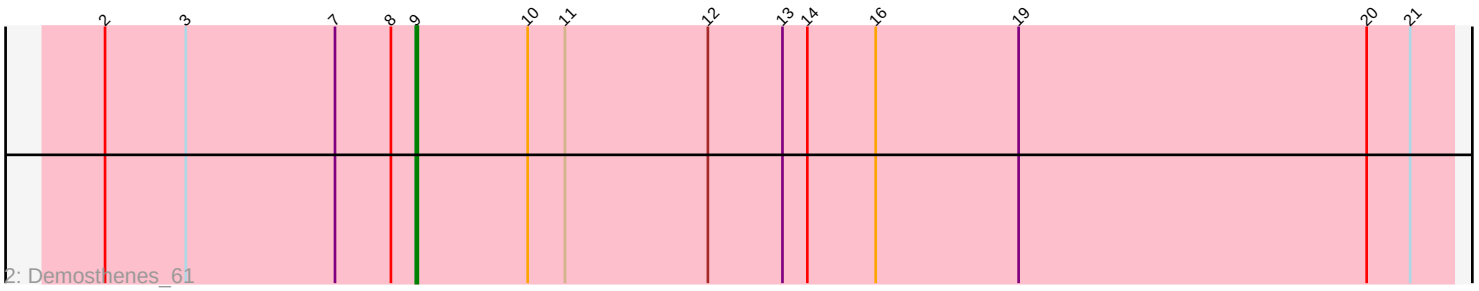
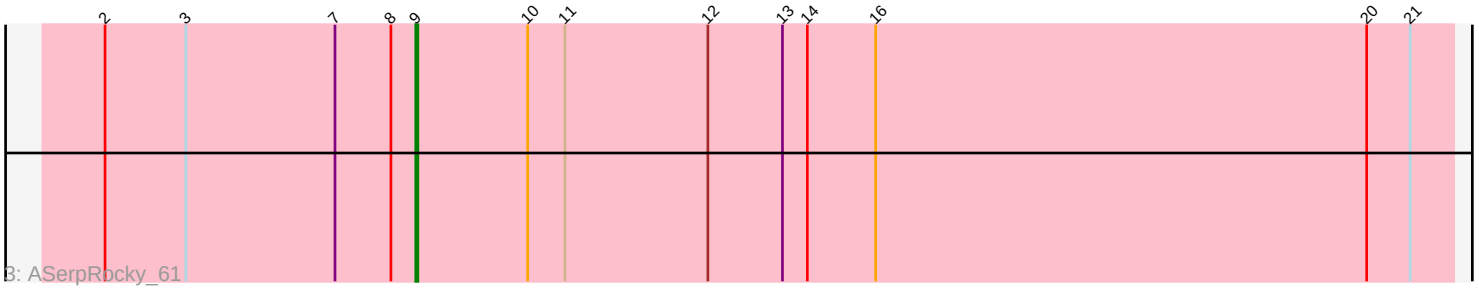
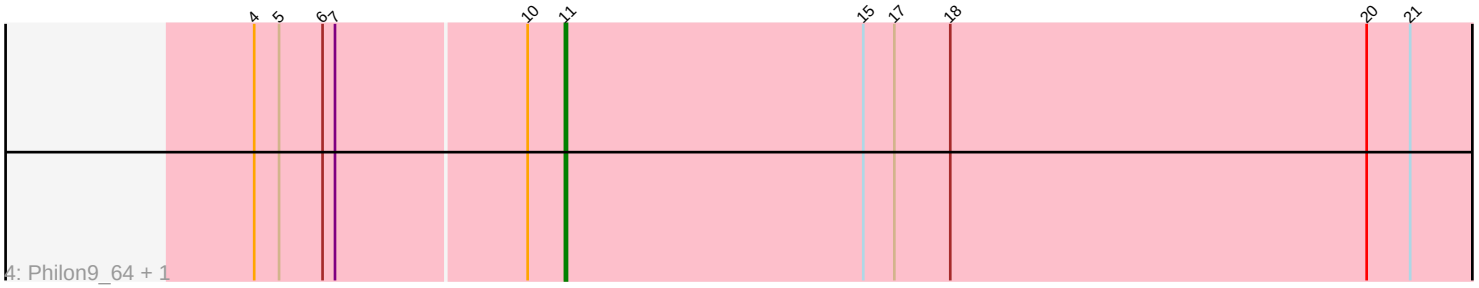
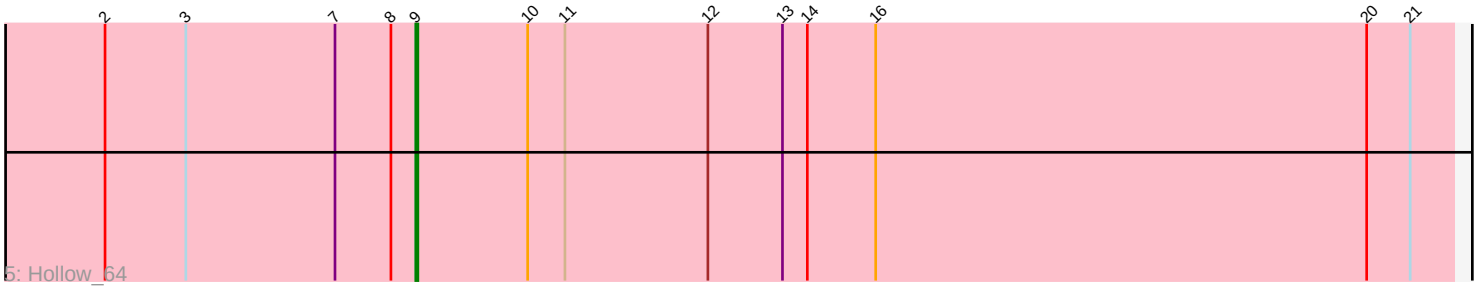
Pham 344585


1
2
7
8
9
10
11
13
14
16
19
20
21
1: Kvothe_62 + 6


2
3
7
8
9
10
11
12
13
14
16
19
20
21
2: Demosthenes_61


2
3
7
8
9
10
11
12
13
14
16
20
21
3: ASerpRocky_61


4
5
6
7
10
11
15
17
18
20
21
4: Philon9_64 + 1


2
3
7
8
9
10
11
12
13
14
16
20
21
5: Hollow_64

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 344585 Report

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

Pham number 344585 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Kvothe_62, Benczkowski14_63, Teatealatte_64, Katyusha_63, Teech_64, Niagara_63, Tredge_63
• Track 2 : Demosthenes_61
• Track 3 : ASerpRocky_61
• Track 4 : Philon9_64, Vitaenoii_64
• Track 5 : Hollow_64

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

The start number called the most often in the published annotations is 9, it was called in 10 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASerpRocky_61, Benczkowski14_63, Demosthenes_61, Hollow_64, Katyusha_63, Kvothe_62, Niagara_63, Teatealatte_64, Teech_64, Tredge_63,

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

Genes that do not have the "Most Annotated" start:
• Philon9_64, Vitaenoii_64,

Summary by start number:

Start 9:
• Found in 10 of 12 (83.3%) of genes in pham
• Manual Annotations of this start: 10 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASerpRocky_61 (CS4), Benczkowski14_63 (CS4), Demosthenes_61 (CS4), Hollow_64 (CS4), Katyusha_63 (CS4), Kvothe_62 (CS4), Niagara_63 (CS4), Teatealatte_64 (CS4), Teech_64 (CS4), Tredge_63 (CS4),

Start 11:

• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Philon9_64 (CS4), Vitaenoii_64 (CS4),

Summary by clusters:

There is one cluster represented in this pham: CS4

Info for manual annotations of cluster CS4:
•Start number 9 was manually annotated 10 times for cluster CS4.
•Start number 11 was manually annotated 2 times for cluster CS4.

Gene Information:

Gene: ASerpRocky_61 Start: 56398, Stop: 55874, Start Num: 9
Candidate Starts for ASerpRocky_61:
(2, 56548), (3, 56509), (7, 56437), (8, 56410), (Start: 9 @56398 has 10 MA's), (10, 56344), (Start: 11 @56326 has 2 MA's), (12, 56257), (13, 56221), (14, 56209), (16, 56176), (20, 55939), (21, 55918),

Gene: Benczkowski14_63 Start: 56922, Stop: 56398, Start Num: 9
Candidate Starts for Benczkowski14_63:
(1, 57090), (2, 57072), (7, 56961), (8, 56934), (Start: 9 @56922 has 10 MA's), (10, 56868), (Start: 11 @56850 has 2 MA's), (13, 56745), (14, 56733), (16, 56700), (19, 56631), (20, 56463), (21, 56442),

Gene: Demosthenes_61 Start: 56374, Stop: 55850, Start Num: 9
Candidate Starts for Demosthenes_61:
(2, 56524), (3, 56485), (7, 56413), (8, 56386), (Start: 9 @56374 has 10 MA's), (10, 56320), (Start: 11 @56302 has 2 MA's), (12, 56233), (13, 56197), (14, 56185), (16, 56152), (19, 56083), (20, 55915), (21, 55894),

Gene: Hollow_64 Start: 57103, Stop: 56579, Start Num: 9
Candidate Starts for Hollow_64:
(2, 57253), (3, 57214), (7, 57142), (8, 57115), (Start: 9 @57103 has 10 MA's), (10, 57049), (Start: 11 @57031 has 2 MA's), (12, 56962), (13, 56926), (14, 56914), (16, 56881), (20, 56644), (21, 56623),

Gene: Katyusha_63 Start: 56922, Stop: 56398, Start Num: 9
Candidate Starts for Katyusha_63:
(1, 57090), (2, 57072), (7, 56961), (8, 56934), (Start: 9 @56922 has 10 MA's), (10, 56868), (Start: 11 @56850 has 2 MA's), (13, 56745), (14, 56733), (16, 56700), (19, 56631), (20, 56463), (21, 56442),

Gene: Kvothe_62 Start: 56824, Stop: 56300, Start Num: 9
Candidate Starts for Kvothe_62:
(1, 56992), (2, 56974), (7, 56863), (8, 56836), (Start: 9 @56824 has 10 MA's), (10, 56770), (Start: 11 @56752 has 2 MA's), (13, 56647), (14, 56635), (16, 56602), (19, 56533), (20, 56365), (21, 56344),

Gene: Niagara_63 Start: 56915, Stop: 56391, Start Num: 9
Candidate Starts for Niagara_63:
(1, 57083), (2, 57065), (7, 56954), (8, 56927), (Start: 9 @56915 has 10 MA's), (10, 56861), (Start: 11 @56843 has 2 MA's), (13, 56738), (14, 56726), (16, 56693), (19, 56624), (20, 56456), (21, 56435),

Gene: Philon9_64 Start: 57975, Stop: 57511, Start Num: 11
Candidate Starts for Philon9_64:
(4, 58122), (5, 58110), (6, 58089), (7, 58083), (10, 57993), (Start: 11 @57975 has 2 MA's), (15, 57831), (17, 57816), (18, 57789), (20, 57588), (21, 57567),

Gene: Teatealatte_64 Start: 56812, Stop: 56288, Start Num: 9
Candidate Starts for Teatealatte_64:
(1, 56980), (2, 56962), (7, 56851), (8, 56824), (Start: 9 @56812 has 10 MA's), (10, 56758), (Start: 11 @56740 has 2 MA's), (13, 56635), (14, 56623), (16, 56590), (19, 56521), (20, 56353), (21, 56332),

Gene: Teech_64 Start: 56628, Stop: 56104, Start Num: 9
Candidate Starts for Teech_64:
(1, 56796), (2, 56778), (7, 56667), (8, 56640), (Start: 9 @56628 has 10 MA's), (10, 56574), (Start: 11 @56556 has 2 MA's), (13, 56451), (14, 56439), (16, 56406), (19, 56337), (20, 56169), (21, 56148),

Gene: Tredge_63 Start: 56812, Stop: 56288, Start Num: 9
Candidate Starts for Tredge_63:
(1, 56980), (2, 56962), (7, 56851), (8, 56824), (Start: 9 @56812 has 10 MA's), (10, 56758), (Start: 11 @56740 has 2 MA's), (13, 56635), (14, 56623), (16, 56590), (19, 56521), (20, 56353), (21, 56332),

Gene: Vitaenoii_64 Start: 57959, Stop: 57495, Start Num: 11
Candidate Starts for Vitaenoii_64:
(4, 58106), (5, 58094), (6, 58073), (7, 58067), (10, 57977), (Start: 11 @57959 has 2 MA's), (15, 57815), (17, 57800), (18, 57773), (20, 57572), (21, 57551),