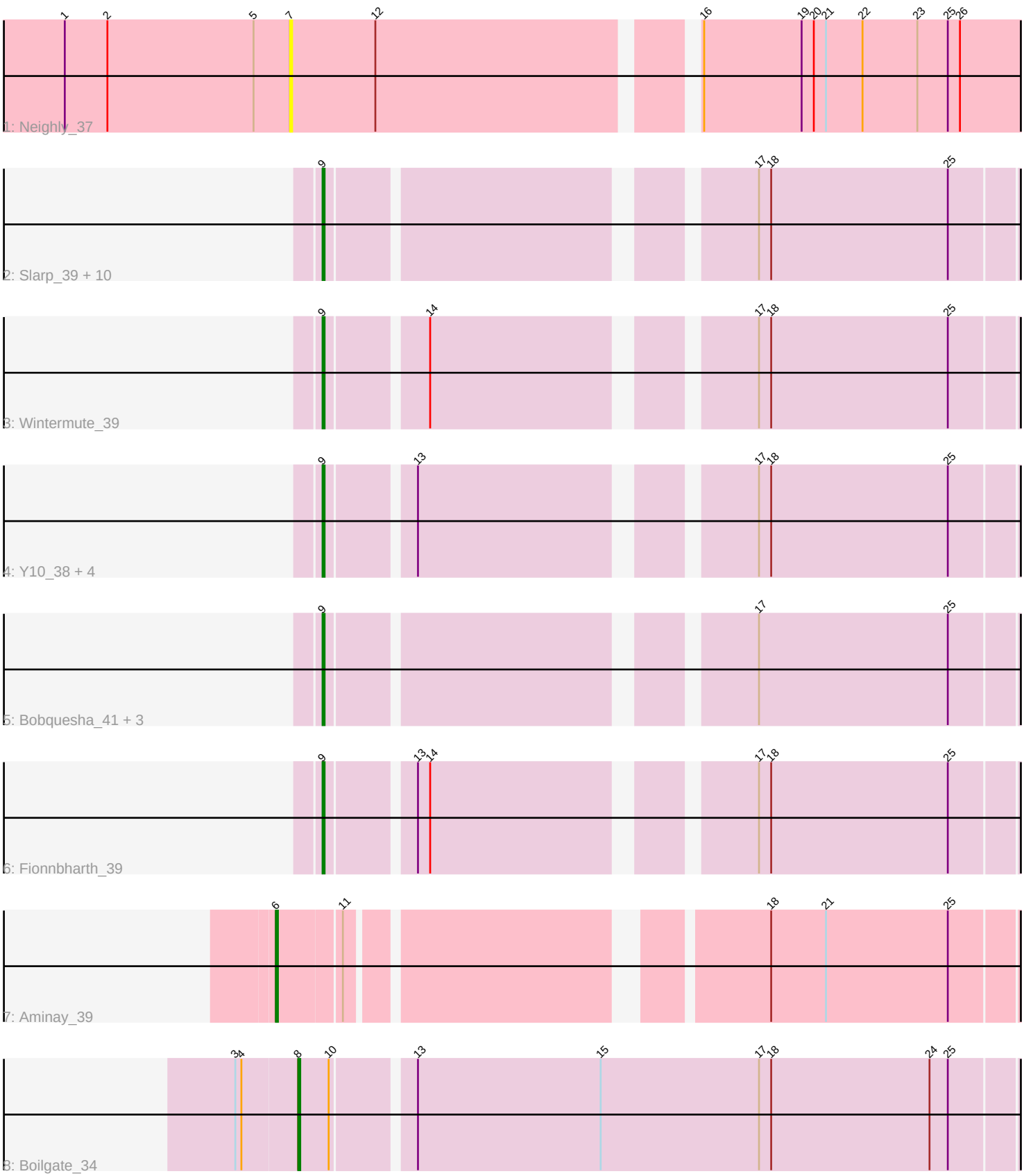
Pham 214577


1
2
5
7
12
16
19
20
21
22
23
25
26
1: Neighly_37
9
17
18
25
2: Slarp_39 + 10
9
14
17
18
25
3: Wintermute_39
9
13
17
18
25
4: Y10_38 + 4
9
17
25
5: Bobquesha_41 + 3
9
13
14
17
18
25
6: Fionnbharth_39
6
11
18
21
25
7: Aminay_39
3
4
8
10
13
15
17
18
24
25
8: Boilgate_34

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 214577 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214577 has 25 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Neighly_37
• Track 2 : Slarp_39, Malthus_40, Cheetobro_39, Taquito_39, Mitti_39, Eponine_41, Lebo14_40, Kraw_40, Chancellor_39, OmniCritical_38, SamScheppers_38
• Track 3 : Wintermute_39
• Track 4 : Y10_38, Y2_38, Juliette_41, JF1_39, Ruthiejr_40
• Track 5 : Bobquesha_41, Patt_38, Reptar3000_39, MissDaisy_38
• Track 6 : Fionnbharth_39
• Track 7 : Aminay_39
• Track 8 : Boilgate_34

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 19 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bobquesha_41, Chancellor_39, Cheetobro_39, Eponine_41, Fionnbharth_39, JF1_39, Juliette_41, Kraw_40, Lebo14_40, Malthus_40, MissDaisy_38, Mitti_39, OmniCritical_38, Patt_38, Reptar3000_39, Ruthiejr_40, SamScheppers_38, Slarp_39, Taquito_39, Wintermute_39, Y10_38, Y2_38,

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

Genes that do not have the "Most Annotated" start:
• Aminay_39, Boilgate_34, Neighly_37,

Summary by start number:

Start 6:
• Found in 1 of 25 (4.0%) 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: Aminay_39 (K7),

Start 7:
• Found in 1 of 25 (4.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Neighly_37 (K3),

Start 8:
• Found in 1 of 25 (4.0%) 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: Boilgate_34 (K8),

Start 9:
• Found in 22 of 25 (88.0%) of genes in pham
• Manual Annotations of this start: 19 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bobquesha_41 (K4), Chancellor_39 (K4), Cheetobro_39 (K4), Eponine_41 (K4), Fionnbharth_39 (K4), JF1_39 (K4), Juliette_41 (K4), Kraw_40 (K4), Lebo14_40 (K4), Malthus_40 (K4), MissDaisy_38 (K4), Mitti_39 (K4), OmniCritical_38 (K4), Patt_38 (K4), Reptar3000_39 (K4), Ruthiejr_40 (K4), SamScheppers_38 (K4), Slarp_39 (K4), Taquito_39 (K4), Wintermute_39 (K4), Y10_38 (K4), Y2_38 (K4),

Summary by clusters:

There are 4 clusters represented in this pham: K3, K8, K7, K4,

Info for manual annotations of cluster K4:
•Start number 9 was manually annotated 19 times for cluster K4.

Info for manual annotations of cluster K7:
•Start number 6 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 8 was manually annotated 1 time for cluster K8.

Gene Information:

Gene: Aminay_39 Start: 31728, Stop: 32063, Start Num: 6
Candidate Starts for Aminay_39:
(Start: 6 @31728 has 1 MA's), (11, 31758), (18, 31938), (21, 31965), (25, 32025),

Gene: Bobquesha_41 Start: 30808, Stop: 31131, Start Num: 9
Candidate Starts for Bobquesha_41:
(Start: 9 @30808 has 19 MA's), (17, 30994), (25, 31087),

Gene: Boilgate_34 Start: 31799, Stop: 32149, Start Num: 8
Candidate Starts for Boilgate_34:

(3, 31769), (4, 31772), (Start: 8 @31799 has 1 MA's), (10, 31814), (13, 31850), (15, 31940), (17, 32018), (18, 32024), (24, 32102), (25, 32111),

Gene: Chancellor_39 Start: 31069, Stop: 31395, Start Num: 9
Candidate Starts for Chancellor_39:
(Start: 9 @31069 has 19 MA's), (17, 31255), (18, 31261), (25, 31348),

Gene: Cheetobro_39 Start: 31066, Stop: 31392, Start Num: 9
Candidate Starts for Cheetobro_39:
(Start: 9 @31066 has 19 MA's), (17, 31252), (18, 31258), (25, 31345),

Gene: Eponine_41 Start: 31822, Stop: 32148, Start Num: 9
Candidate Starts for Eponine_41:
(Start: 9 @31822 has 19 MA's), (17, 32008), (18, 32014), (25, 32101),

Gene: Fionnbharth_39 Start: 31057, Stop: 31383, Start Num: 9
Candidate Starts for Fionnbharth_39:
(Start: 9 @31057 has 19 MA's), (13, 31096), (14, 31102), (17, 31243), (18, 31249), (25, 31336),

Gene: JF1_39 Start: 31056, Stop: 31379, Start Num: 9
Candidate Starts for JF1_39:
(Start: 9 @31056 has 19 MA's), (13, 31095), (17, 31242), (18, 31248), (25, 31335),

Gene: Juliette_41 Start: 31215, Stop: 31538, Start Num: 9
Candidate Starts for Juliette_41:
(Start: 9 @31215 has 19 MA's), (13, 31254), (17, 31401), (18, 31407), (25, 31494),

Gene: Kraw_40 Start: 30981, Stop: 31307, Start Num: 9
Candidate Starts for Kraw_40:
(Start: 9 @30981 has 19 MA's), (17, 31167), (18, 31173), (25, 31260),

Gene: Lebo14_40 Start: 31070, Stop: 31396, Start Num: 9
Candidate Starts for Lebo14_40:
(Start: 9 @31070 has 19 MA's), (17, 31256), (18, 31262), (25, 31349),

Gene: Malthus_40 Start: 30981, Stop: 31307, Start Num: 9
Candidate Starts for Malthus_40:
(Start: 9 @30981 has 19 MA's), (17, 31167), (18, 31173), (25, 31260),

Gene: MissDaisy_38 Start: 30823, Stop: 31146, Start Num: 9
Candidate Starts for MissDaisy_38:
(Start: 9 @30823 has 19 MA's), (17, 31009), (25, 31102),

Gene: Mitti_39 Start: 30982, Stop: 31308, Start Num: 9
Candidate Starts for Mitti_39:
(Start: 9 @30982 has 19 MA's), (17, 31168), (18, 31174), (25, 31261),

Gene: Neighly_37 Start: 30468, Stop: 30821, Start Num: 7
Candidate Starts for Neighly_37:
(1, 30357), (2, 30378), (5, 30450), (7, 30468), (12, 30510), (16, 30654), (19, 30702), (20, 30708), (21, 30714), (22, 30732), (23, 30759), (25, 30774), (26, 30780),

Gene: OmniCritical_38 Start: 30966, Stop: 31292, Start Num: 9

Candidate Starts for OmniCritical_38:
(Start: 9 @30966 has 19 MA's), (17, 31152), (18, 31158), (25, 31245),

Gene: Patt_38 Start: 30799, Stop: 31122, Start Num: 9
Candidate Starts for Patt_38:
(Start: 9 @30799 has 19 MA's), (17, 30985), (25, 31078),

Gene: Reptar3000_39 Start: 30790, Stop: 31113, Start Num: 9
Candidate Starts for Reptar3000_39:
(Start: 9 @30790 has 19 MA's), (17, 30976), (25, 31069),

Gene: Ruthiejr_40 Start: 30947, Stop: 31270, Start Num: 9
Candidate Starts for Ruthiejr_40:
(Start: 9 @30947 has 19 MA's), (13, 30986), (17, 31133), (18, 31139), (25, 31226),

Gene: SamScheppers_38 Start: 31460, Stop: 31786, Start Num: 9
Candidate Starts for SamScheppers_38:
(Start: 9 @31460 has 19 MA's), (17, 31646), (18, 31652), (25, 31739),

Gene: Slarp_39 Start: 31069, Stop: 31395, Start Num: 9
Candidate Starts for Slarp_39:
(Start: 9 @31069 has 19 MA's), (17, 31255), (18, 31261), (25, 31348),

Gene: Taquito_39 Start: 31455, Stop: 31781, Start Num: 9
Candidate Starts for Taquito_39:
(Start: 9 @31455 has 19 MA's), (17, 31641), (18, 31647), (25, 31734),

Gene: Wintermute_39 Start: 31055, Stop: 31381, Start Num: 9
Candidate Starts for Wintermute_39:
(Start: 9 @31055 has 19 MA's), (14, 31100), (17, 31241), (18, 31247), (25, 31334),

Gene: Y10_38 Start: 31056, Stop: 31379, Start Num: 9
Candidate Starts for Y10_38:
(Start: 9 @31056 has 19 MA's), (13, 31095), (17, 31242), (18, 31248), (25, 31335),

Gene: Y2_38 Start: 31056, Stop: 31379, Start Num: 9
Candidate Starts for Y2_38:
(Start: 9 @31056 has 19 MA's), (13, 31095), (17, 31242), (18, 31248), (25, 31335),