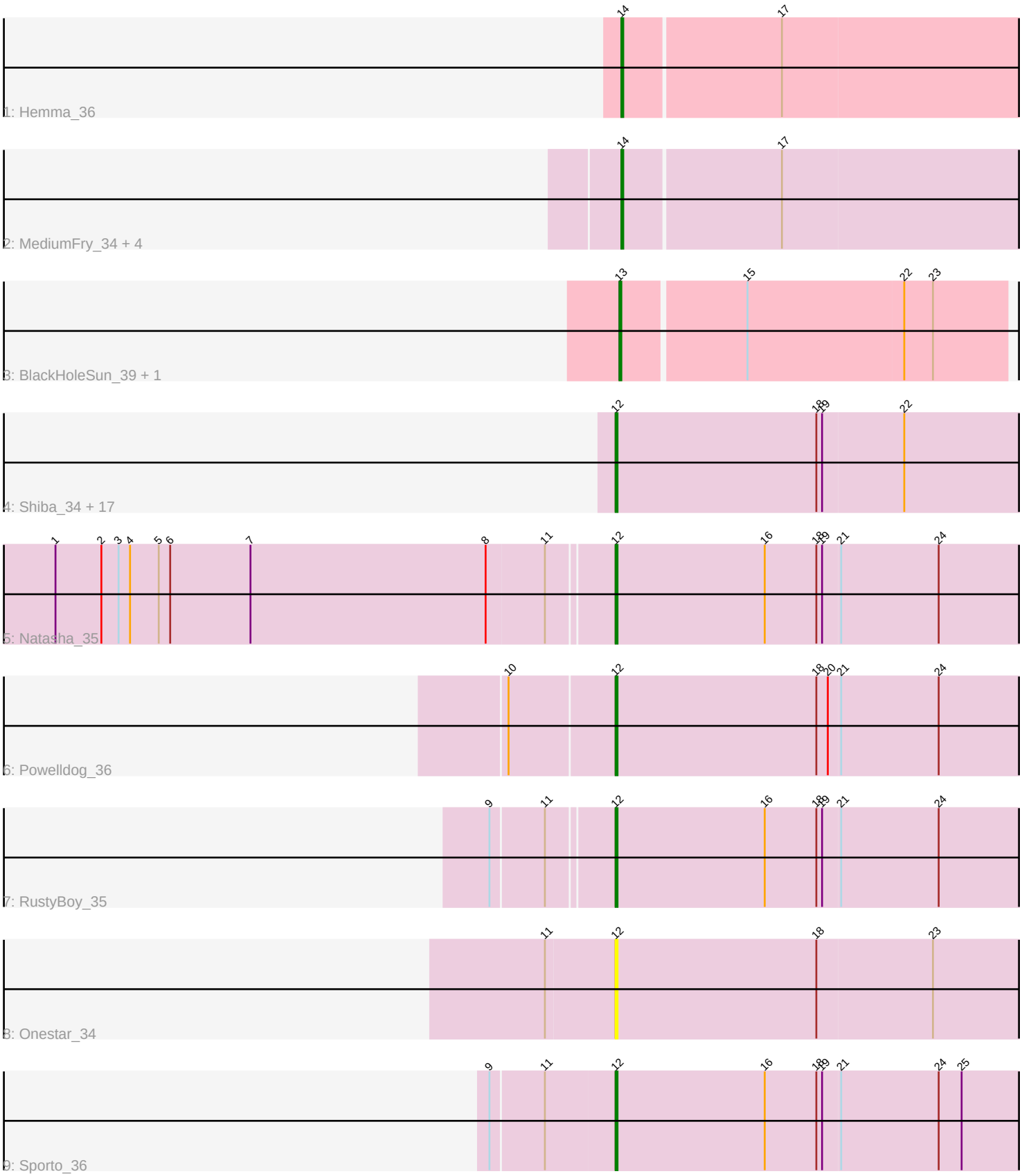
Pham 347893


14
17
1: Hemma_36
14
17
2: MediumFry_34 + 4
13
15
22
23
3: BlackHoleSun_39 + 1
12
18
19
22
4: Shiba_34 + 17
1
2
3
4
5
6
7
8
11
12
16
18
19
21
24
5: Natasha_35
10
12
18
20
21
24
6: Powelldog_36
9
11
12
16
18
19
21
24
7: RustyBoy_35
11
12
18
23
8: Onestar_34
9
11
12
16
18
19
21
24
25
9: Sporto_36

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 347893 Report

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

Pham number 347893 has 31 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Hemma_36
• Track 2 : MediumFry_34, Loretta_38, Ingrid_38, Zippen_37, Inked_38
• Track 3 : BlackHoleSun_39, Navi1117_37
• Track 4 : Shiba_34, MrAaronian_34, Sloopyjoe_34, HerbBucket_33, Djungelskog_34, Spain_34, DoctorPepper_34, ProfFrink_34, Jeremy4pt0_34, Linda_34, Salk_34, Raunak_34, Egad_34, Stayer_34, Boog_34, BronxBay_34, Michelle_34, StarLord_34
• Track 5 : Natasha_35
• Track 6 : Powelldog_36
• Track 7 : RustyBoy_35
• Track 8 : Onestar_34
• Track 9 : Sporto_36

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

The start number called the most often in the published annotations is 12, it was called in 20 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Boog_34, BronxBay_34, Djungelskog_34, DoctorPepper_34, Egad_34, HerbBucket_33, Jeremy4pt0_34, Linda_34, Michelle_34, MrAaronian_34, Natasha_35, Onestar_34, Powelldog_36, ProfFrink_34, Raunak_34, RustyBoy_35, Salk_34, Shiba_34, Sloopyjoe_34, Spain_34, Sporto_36, StarLord_34, Stayer_34,

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

Genes that do not have the "Most Annotated" start:
• BlackHoleSun_39, Hemma_36, Ingrid_38, Inked_38, Loretta_38, MediumFry_34, Navi1117_37, Zippen_37,

Summary by start number:

Start 12:

• Found in 23 of 31 (74.2%) of genes in pham
• Manual Annotations of this start: 20 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Boog_34 (AW), BronxBay_34 (AW), Djungelskog_34 (AW), DoctorPepper_34 (AW), Egad_34 (AW), HerbBucket_33 (AW), Jeremy4pt0_34 (AW), Linda_34 (AW), Michelle_34 (AW), MrAaronian_34 (AW), Natasha_35 (AW), Onestar_34 (AW), Powelldog_36 (AW), ProfFrink_34 (AW), Raunak_34 (AW), RustyBoy_35 (AW), Salk_34 (AW), Shiba_34 (AW), Sloopyjoe_34 (AW), Spain_34 (AW), Sporto_36 (AW), StarLord_34 (AW), Stayer_34 (AW),

Start 13:
• Found in 2 of 31 (6.5%) of genes in pham
• Manual Annotations of this start: 1 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlackHoleSun_39 (AU6), Navi1117_37 (AU6),

Start 14:
• Found in 6 of 31 (19.4%) of genes in pham
• Manual Annotations of this start: 6 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hemma_36 (AU1), Ingrid_38 (AU3), Inked_38 (AU7), Loretta_38 (AU3), MediumFry_34 (AU4), Zippen_37 (AU7),

Summary by clusters:

There are 6 clusters represented in this pham: AW, AU1, AU3, AU4, AU7, AU6,

Info for manual annotations of cluster AU1:
•Start number 14 was manually annotated 1 time for cluster AU1.

Info for manual annotations of cluster AU3:
•Start number 14 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU4:
•Start number 14 was manually annotated 1 time for cluster AU4.

Info for manual annotations of cluster AU6:
•Start number 13 was manually annotated 1 time for cluster AU6.

Info for manual annotations of cluster AU7:
•Start number 14 was manually annotated 2 times for cluster AU7.

Info for manual annotations of cluster AW:
•Start number 12 was manually annotated 20 times for cluster AW.

Gene Information:

Gene: BlackHoleSun_39 Start: 28690, Stop: 28887, Start Num: 13
Candidate Starts for BlackHoleSun_39:
(Start: 13 @28690 has 1 MA's), (15, 28753), (22, 28834), (23, 28849),

Gene: Boog_34 Start: 27091, Stop: 27330, Start Num: 12
Candidate Starts for Boog_34:
(Start: 12 @27091 has 20 MA's), (18, 27196), (19, 27199), (22, 27241),

Gene: BronxBay_34 Start: 27090, Stop: 27329, Start Num: 12
Candidate Starts for BronxBay_34:
(Start: 12 @27090 has 20 MA's), (18, 27195), (19, 27198), (22, 27240),

Gene: Djungelskog_34 Start: 27090, Stop: 27329, Start Num: 12
Candidate Starts for Djungelskog_34:
(Start: 12 @27090 has 20 MA's), (18, 27195), (19, 27198), (22, 27240),

Gene: DoctorPepper_34 Start: 27090, Stop: 27329, Start Num: 12
Candidate Starts for DoctorPepper_34:
(Start: 12 @27090 has 20 MA's), (18, 27195), (19, 27198), (22, 27240),

Gene: Egad_34 Start: 27091, Stop: 27330, Start Num: 12
Candidate Starts for Egad_34:
(Start: 12 @27091 has 20 MA's), (18, 27196), (19, 27199), (22, 27241),

Gene: Hemma_36 Start: 26922, Stop: 27155, Start Num: 14
Candidate Starts for Hemma_36:
(Start: 14 @26922 has 6 MA's), (17, 27003),

Gene: HerbBucket_33 Start: 27091, Stop: 27330, Start Num: 12
Candidate Starts for HerbBucket_33:
(Start: 12 @27091 has 20 MA's), (18, 27196), (19, 27199), (22, 27241),

Gene: Ingrid_38 Start: 29817, Stop: 30047, Start Num: 14
Candidate Starts for Ingrid_38:
(Start: 14 @29817 has 6 MA's), (17, 29898),

Gene: Inked_38 Start: 30483, Stop: 30716, Start Num: 14
Candidate Starts for Inked_38:
(Start: 14 @30483 has 6 MA's), (17, 30564),

Gene: Jeremy4pt0_34 Start: 27085, Stop: 27324, Start Num: 12
Candidate Starts for Jeremy4pt0_34:
(Start: 12 @27085 has 20 MA's), (18, 27190), (19, 27193), (22, 27235),

Gene: Linda_34 Start: 27085, Stop: 27324, Start Num: 12
Candidate Starts for Linda_34:
(Start: 12 @27085 has 20 MA's), (18, 27190), (19, 27193), (22, 27235),

Gene: Loretta_38 Start: 29817, Stop: 30047, Start Num: 14
Candidate Starts for Loretta_38:
(Start: 14 @29817 has 6 MA's), (17, 29898),

Gene: MediumFry_34 Start: 28911, Stop: 29141, Start Num: 14
Candidate Starts for MediumFry_34:
(Start: 14 @28911 has 6 MA's), (17, 28992),

Gene: Michelle_34 Start: 27090, Stop: 27329, Start Num: 12
Candidate Starts for Michelle_34:
(Start: 12 @27090 has 20 MA's), (18, 27195), (19, 27198), (22, 27240),

Gene: MrAaronian_34 Start: 27090, Stop: 27329, Start Num: 12
Candidate Starts for MrAaronian_34:
(Start: 12 @27090 has 20 MA's), (18, 27195), (19, 27198), (22, 27240),

Gene: Natasha_35 Start: 26870, Stop: 27100, Start Num: 12
Candidate Starts for Natasha_35:
(1, 26582), (2, 26606), (3, 26615), (4, 26621), (5, 26636), (6, 26642), (7, 26684), (8, 26807), (11, 26837), (Start: 12 @26870 has 20 MA's), (16, 26948), (18, 26975), (19, 26978), (21, 26987), (24, 27038),

Gene: Navi1117_37 Start: 28947, Stop: 29144, Start Num: 13
Candidate Starts for Navi1117_37:
(Start: 13 @28947 has 1 MA's), (15, 29010), (22, 29091), (23, 29106),

Gene: Onestar_34 Start: 26883, Stop: 27122, Start Num: 12
Candidate Starts for Onestar_34:
(11, 26847), (Start: 12 @26883 has 20 MA's), (18, 26988), (23, 27048),

Gene: Powelldog_36 Start: 27147, Stop: 27374, Start Num: 12
Candidate Starts for Powelldog_36:
(10, 27093), (Start: 12 @27147 has 20 MA's), (18, 27252), (20, 27258), (21, 27264), (24, 27315),

Gene: ProfFrink_34 Start: 27090, Stop: 27329, Start Num: 12
Candidate Starts for ProfFrink_34:
(Start: 12 @27090 has 20 MA's), (18, 27195), (19, 27198), (22, 27240),

Gene: Raunak_34 Start: 27085, Stop: 27324, Start Num: 12
Candidate Starts for Raunak_34:
(Start: 12 @27085 has 20 MA's), (18, 27190), (19, 27193), (22, 27235),

Gene: RustyBoy_35 Start: 26851, Stop: 27081, Start Num: 12
Candidate Starts for RustyBoy_35:
(9, 26791), (11, 26818), (Start: 12 @26851 has 20 MA's), (16, 26929), (18, 26956), (19, 26959), (21, 26968), (24, 27019),

Gene: Salk_34 Start: 27085, Stop: 27324, Start Num: 12
Candidate Starts for Salk_34:
(Start: 12 @27085 has 20 MA's), (18, 27190), (19, 27193), (22, 27235),

Gene: Shiba_34 Start: 27085, Stop: 27324, Start Num: 12
Candidate Starts for Shiba_34:
(Start: 12 @27085 has 20 MA's), (18, 27190), (19, 27193), (22, 27235),

Gene: Sloopyjoe_34 Start: 27091, Stop: 27330, Start Num: 12
Candidate Starts for Sloopyjoe_34:
(Start: 12 @27091 has 20 MA's), (18, 27196), (19, 27199), (22, 27241),

Gene: Spain_34 Start: 27090, Stop: 27329, Start Num: 12
Candidate Starts for Spain_34:

(Start: 12 @27090 has 20 MA's), (18, 27195), (19, 27198), (22, 27240),

Gene: Sporto_36 Start: 28583, Stop: 28819, Start Num: 12
Candidate Starts for Sporto_36:
(9, 28520), (11, 28547), (Start: 12 @28583 has 20 MA's), (16, 28661), (18, 28688), (19, 28691), (21, 28700), (24, 28751), (25, 28763),

Gene: StarLord_34 Start: 27091, Stop: 27330, Start Num: 12
Candidate Starts for StarLord_34:
(Start: 12 @27091 has 20 MA's), (18, 27196), (19, 27199), (22, 27241),

Gene: Stayer_34 Start: 27085, Stop: 27324, Start Num: 12
Candidate Starts for Stayer_34:
(Start: 12 @27085 has 20 MA's), (18, 27190), (19, 27193), (22, 27235),

Gene: Zippen_37 Start: 30360, Stop: 30590, Start Num: 14
Candidate Starts for Zippen_37:
(Start: 14 @30360 has 6 MA's), (17, 30441),