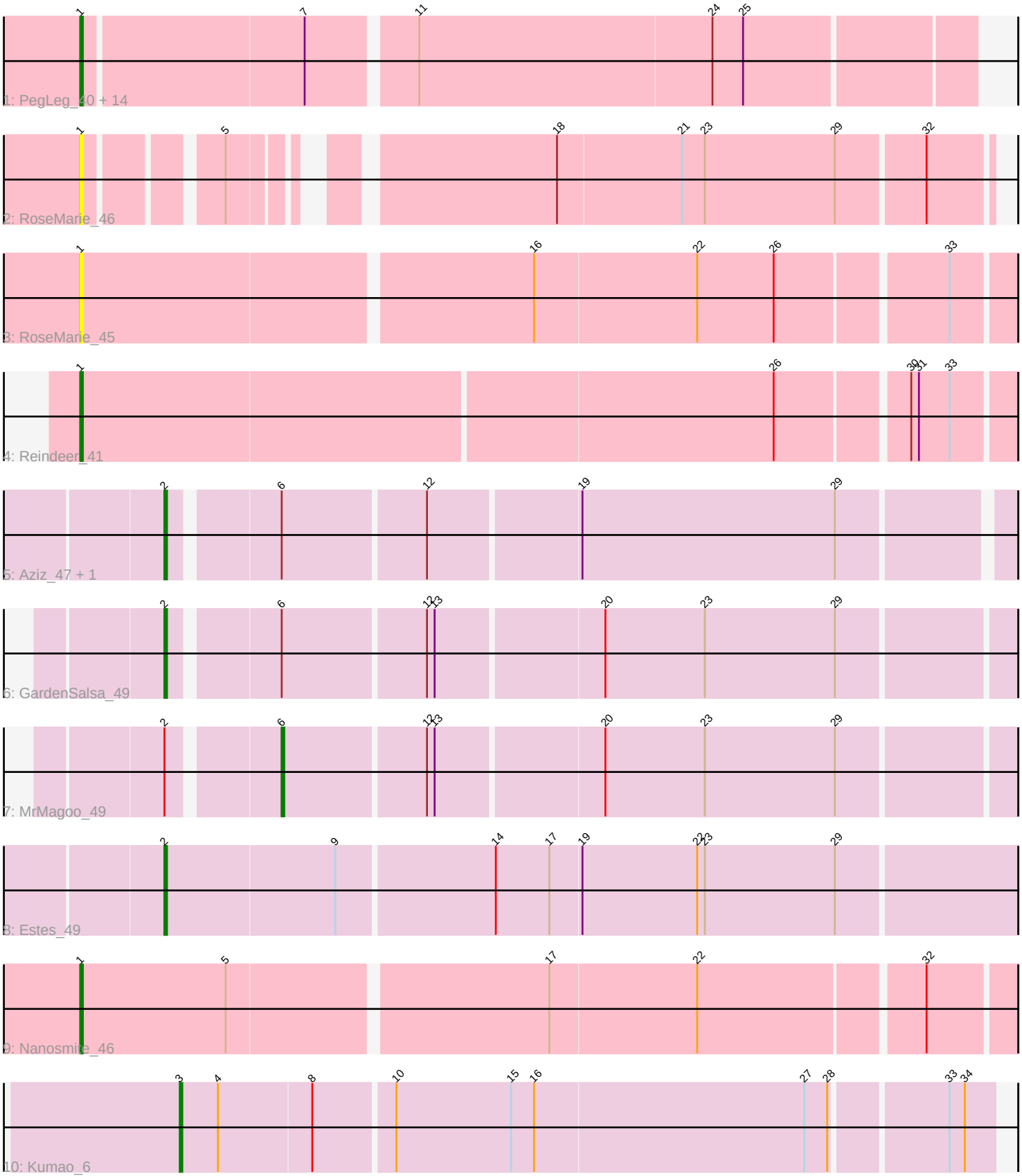
Pham 346086


1
7
11
24
25
1: PegLeg_40 + 14
1
5
18
21
23
29
32
2: RoseMarie_46
1
16
22
26
33
3: RoseMarie_45
1
26
30
31
33
4: Reindeer_41
2
6
12
19
29
5: Aziz_47 + 1
2
6
12
13
20
23
29
6: GardenSalsa_49
2
6
12
13
20
23
29
7: MrMagoo_49
2
9
14
17
19
22
23
29
8: Estes_49
1
5
17
22
32
9: Nanosmite_46
3
4
8
10
15
16
27
28
33
34
10: Kumao_6

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 346086 Report

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

Pham number 346086 has 25 members, 4 are drafts.

Phages represented in each track:
• Track 1 : PegLeg_40, Izel_41, Skinny_41, Auspice_40, TyDawg_40, TpudiCK_42, Bricole_40, Glaske16_41, Bongo_40, SlimJimmy_39, LilhomieP_39, KleverKiS_41, Diminimus_41, FreakyGoo_41, IPhane7_40
• Track 2 : RoseMarie_46
• Track 3 : RoseMarie_45
• Track 4 : Reindeer_41
• Track 5 : Aziz_47, GenevaB15_47
• Track 6 : GardenSalsa_49
• Track 7 : MrMagoo_49
• Track 8 : Estes_49
• Track 9 : Nanosmite_46
• Track 10 : Kumao_6

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

The start number called the most often in the published annotations is 1, it was called in 15 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auspice_40, Bongo_40, Bricole_40, Diminimus_41, FreakyGoo_41, Glaske16_41, IPhane7_40, Izel_41, KleverKiS_41, LilhomieP_39, Nanosmite_46, PegLeg_40, Reindeer_41, RoseMarie_45, RoseMarie_46, Skinny_41, SlimJimmy_39, TpudiCK_42, TyDawg_40,

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

Genes that do not have the "Most Annotated" start:
• Aziz_47, Estes_49, GardenSalsa_49, GenevaB15_47, Kumao_6, MrMagoo_49,

Summary by start number:

Start 1:
• Found in 19 of 25 (76.0%) of genes in pham

• Manual Annotations of this start: 15 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Auspice_40 (M1), Bongo_40 (M1), Bricole_40 (M1), Diminimus_41 (M1), FreakyGoo_41 (M1), Glaske16_41 (M1), IPhane7_40 (M1), Izel_41 (M1), KleverKiS_41 (M1), LilhomieP_39 (M1), Nanosmite_46 (M3), PegLeg_40 (M1), Reindeer_41 (M1), RoseMarie_45 (M1), RoseMarie_46 (M1), Skinny_41 (M1), SlimJimmy_39 (M1), TpudiCK_42 (M1), TyDawg_40 (M1),

Start 2:
• Found in 5 of 25 (20.0%) of genes in pham
• Manual Annotations of this start: 4 of 21
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Aziz_47 (M2), Estes_49 (M2), GardenSalsa_49 (M2), GenevaB15_47 (M2),

Start 3:
• 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: Kumao_6 (singleton),

Start 6:
• Found in 4 of 25 (16.0%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 25.0% of time when present
• Phage (with cluster) where this start called: MrMagoo_49 (M2),

Summary by clusters:

There are 4 clusters represented in this pham: singleton, M1, M3, M2,

Info for manual annotations of cluster M1:
•Start number 1 was manually annotated 14 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 2 was manually annotated 4 times for cluster M2.
•Start number 6 was manually annotated 1 time for cluster M2.

Info for manual annotations of cluster M3:
•Start number 1 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Auspice_40 Start: 33441, Stop: 33106, Start Num: 1
Candidate Starts for Auspice_40:
(Start: 1 @33441 has 15 MA's), (7, 33357), (11, 33318), (24, 33204), (25, 33192),

Gene: Aziz_47 Start: 35119, Stop: 34808, Start Num: 2
Candidate Starts for Aziz_47:
(Start: 2 @35119 has 4 MA's), (Start: 6 @35080 has 1 MA's), (12, 35026), (19, 34969), (29, 34870),

Gene: Bongo_40 Start: 33441, Stop: 33106, Start Num: 1
Candidate Starts for Bongo_40:
(Start: 1 @33441 has 15 MA's), (7, 33357), (11, 33318), (24, 33204), (25, 33192),

Gene: Bricole_40 Start: 33427, Stop: 33092, Start Num: 1
Candidate Starts for Bricole_40:
(Start: 1 @33427 has 15 MA's), (7, 33343), (11, 33304), (24, 33190), (25, 33178),

Gene: Diminimus_41 Start: 33440, Stop: 33105, Start Num: 1
Candidate Starts for Diminimus_41:
(Start: 1 @33440 has 15 MA's), (7, 33356), (11, 33317), (24, 33203), (25, 33191),

Gene: Estes_49 Start: 35400, Stop: 35074, Start Num: 2
Candidate Starts for Estes_49:
(Start: 2 @35400 has 4 MA's), (9, 35334), (14, 35274), (17, 35253), (19, 35241), (22, 35196), (23, 35193), (29, 35142),

Gene: FreakyGoo_41 Start: 33441, Stop: 33106, Start Num: 1
Candidate Starts for FreakyGoo_41:
(Start: 1 @33441 has 15 MA's), (7, 33357), (11, 33318), (24, 33204), (25, 33192),

Gene: GardenSalsa_49 Start: 35498, Stop: 35184, Start Num: 2
Candidate Starts for GardenSalsa_49:
(Start: 2 @35498 has 4 MA's), (Start: 6 @35459 has 1 MA's), (12, 35405), (13, 35402), (20, 35339), (23, 35300), (29, 35249),

Gene: GenevaB15_47 Start: 35119, Stop: 34808, Start Num: 2
Candidate Starts for GenevaB15_47:
(Start: 2 @35119 has 4 MA's), (Start: 6 @35080 has 1 MA's), (12, 35026), (19, 34969), (29, 34870),

Gene: Glaske16_41 Start: 33440, Stop: 33105, Start Num: 1
Candidate Starts for Glaske16_41:
(Start: 1 @33440 has 15 MA's), (7, 33356), (11, 33317), (24, 33203), (25, 33191),

Gene: IPhane7_40 Start: 33441, Stop: 33106, Start Num: 1
Candidate Starts for IPhane7_40:
(Start: 1 @33441 has 15 MA's), (7, 33357), (11, 33318), (24, 33204), (25, 33192),

Gene: Izel_41 Start: 33440, Stop: 33105, Start Num: 1
Candidate Starts for Izel_41:
(Start: 1 @33440 has 15 MA's), (7, 33356), (11, 33317), (24, 33203), (25, 33191),

Gene: KleverKiS_41 Start: 33421, Stop: 33086, Start Num: 1
Candidate Starts for KleverKiS_41:
(Start: 1 @33421 has 15 MA's), (7, 33337), (11, 33298), (24, 33184), (25, 33172),

Gene: Kumao_6 Start: 1873, Stop: 1565, Start Num: 3
Candidate Starts for Kumao_6:
(Start: 3 @1873 has 1 MA's), (4, 1858), (8, 1822), (10, 1792), (15, 1747), (16, 1738), (27, 1633), (28, 1624), (33, 1582), (34, 1576),

Gene: LilhomieP_39 Start: 33441, Stop: 33106, Start Num: 1

Candidate Starts for LilhomieP_39:
(Start: 1 @33441 has 15 MA's), (7, 33357), (11, 33318), (24, 33204), (25, 33192),

Gene: MrMagoo_49 Start: 35459, Stop: 35184, Start Num: 6
Candidate Starts for MrMagoo_49:
(Start: 2 @35498 has 4 MA's), (Start: 6 @35459 has 1 MA's), (12, 35405), (13, 35402), (20, 35339), (23, 35300), (29, 35249),

Gene: Nanosmite_46 Start: 34552, Stop: 34202, Start Num: 1
Candidate Starts for Nanosmite_46:
(Start: 1 @34552 has 15 MA's), (5, 34495), (17, 34375), (22, 34318), (32, 34234),

Gene: PegLeg_40 Start: 33440, Stop: 33105, Start Num: 1
Candidate Starts for PegLeg_40:
(Start: 1 @33440 has 15 MA's), (7, 33356), (11, 33317), (24, 33203), (25, 33191),

Gene: Reindeer_41 Start: 34072, Stop: 33719, Start Num: 1
Candidate Starts for Reindeer_41:
(Start: 1 @34072 has 15 MA's), (26, 33805), (30, 33757), (31, 33754), (33, 33742),

Gene: RoseMarie_46 Start: 37109, Stop: 36795, Start Num: 1
Candidate Starts for RoseMarie_46:
(Start: 1 @37109 has 15 MA's), (5, 37064), (18, 36959), (21, 36911), (23, 36902), (29, 36851), (32, 36818),

Gene: RoseMarie_45 Start: 36783, Stop: 36433, Start Num: 1
Candidate Starts for RoseMarie_45:
(Start: 1 @36783 has 15 MA's), (16, 36612), (22, 36549), (26, 36519), (33, 36456),

Gene: Skinny_41 Start: 33870, Stop: 33535, Start Num: 1
Candidate Starts for Skinny_41:
(Start: 1 @33870 has 15 MA's), (7, 33786), (11, 33747), (24, 33633), (25, 33621),

Gene: SlimJimmy_39 Start: 33424, Stop: 33089, Start Num: 1
Candidate Starts for SlimJimmy_39:
(Start: 1 @33424 has 15 MA's), (7, 33340), (11, 33301), (24, 33187), (25, 33175),

Gene: TpudiCK_42 Start: 33440, Stop: 33105, Start Num: 1
Candidate Starts for TpudiCK_42:
(Start: 1 @33440 has 15 MA's), (7, 33356), (11, 33317), (24, 33203), (25, 33191),

Gene: TyDawg_40 Start: 33441, Stop: 33106, Start Num: 1
Candidate Starts for TyDawg_40:
(Start: 1 @33441 has 15 MA's), (7, 33357), (11, 33318), (24, 33204), (25, 33192),