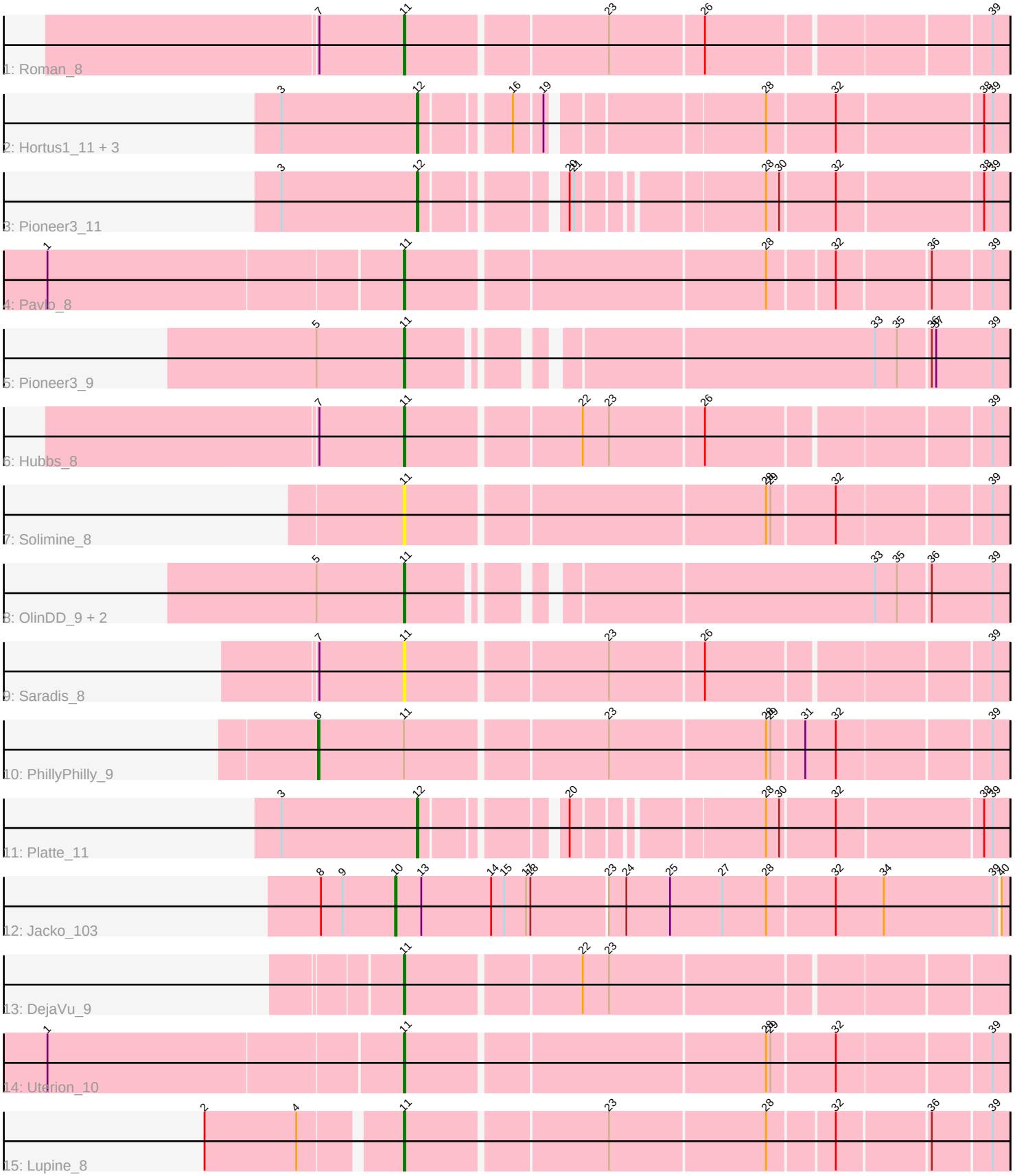
Pham 348038


1: Roman_8
2: Hortus1_11 + 3
3: Pioneer3_11
4: Pavlo_8
5: Pioneer3_9
6: Hubbs_8
7: Solimine_8
8: OlinDD_9 + 2
9: Saradis_8
10: PhillyPhilly_9
11: Platte_11
12: Jacko_103
13: DejaVu_9
14: Uterion_10
15: Lupine_8

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 348038 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 348038 has 20 members, 2 are drafts.

Phages represented in each track:
- Track 1 : Roman_8
- Track 2 : Hortus1_11, OlinDD_11, Tandem_11, Alleb_12
- Track 3 : Pioneer3_11
- Track 4 : Pavlo_8
- Track 5 : Pioneer3_9
- Track 6 : Hubbs_8
- Track 7 : Solimine_8
- Track 8 : OlinDD_9, Hortus1_9, Alleb_10
- Track 9 : Saradis_8
- Track 10 : PhillyPhilly_9
- Track 11 : Platte_11
- Track 12 : Jacko_103
- Track 13 : DejaVu_9
- Track 14 : Uterion_10
- Track 15 : Lupine_8

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

The start number called the most often in the published annotations is 11, it was called in 10 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Alleb_10, DejaVu_9, Hortus1_9, Hubbs_8, Lupine_8, OlinDD_9, Pavlo_8, Pioneer3_9, Roman_8, Saradis_8, Solimine_8, Uterion_10,

Genes that have the "Most Annotated" start but do not call it:
- PhillyPhilly_9,

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

• Alleb_12, Hortus1_11, Jacko_103, OlinDD_11, Pioneer3_11, Platte_11, Tandem_11,

Summary by start number:

Start 6:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PhillyPhilly_9 (ED1),

Start 10:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jacko_103 (ED1),

Start 11:
• Found in 13 of 20 (65.0%) of genes in pham
• Manual Annotations of this start: 10 of 18
• Called 92.3% of time when present
• Phage (with cluster) where this start called: Alleb_10 (ED1), DejaVu_9 (ED1), Hortus1_9 (ED1), Hubbs_8 (ED1), Lupine_8 (ED1), OlinDD_9 (ED1), Pavlo_8 (ED1), Pioneer3_9 (ED1), Roman_8 (ED1), Saradis_8 (ED1), Solimine_8 (ED1), Uterion_10 (ED1),

Start 12:
• Found in 6 of 20 (30.0%) of genes in pham
• Manual Annotations of this start: 6 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alleb_12 (ED1), Hortus1_11 (ED1), OlinDD_11 (ED1), Pioneer3_11 (ED1), Platte_11 (ED1), Tandem_11 (ED1),

Summary by clusters:

There is one cluster represented in this pham: ED1

Info for manual annotations of cluster ED1:
•Start number 6 was manually annotated 1 time for cluster ED1.
•Start number 10 was manually annotated 1 time for cluster ED1.
•Start number 11 was manually annotated 10 times for cluster ED1.
•Start number 12 was manually annotated 6 times for cluster ED1.

Gene Information:

Gene: Alleb_10 Start: 3636, Stop: 4010, Start Num: 11
Candidate Starts for Alleb_10:
(5, 3576), (Start: 11 @3636 has 10 MA's), (33, 3921), (35, 3936), (36, 3957), (39, 3999),

Gene: Alleb_12 Start: 4351, Stop: 4713, Start Num: 12
Candidate Starts for Alleb_12:

(3, 4258), (Start: 12 @4351 has 6 MA's), (16, 4405), (19, 4423), (28, 4555), (32, 4600), (38, 4696), (39, 4702),

Gene: DejaVu_9 Start: 3447, Stop: 3833, Start Num: 11
Candidate Starts for DejaVu_9:
(Start: 11 @3447 has 10 MA's), (22, 3561), (23, 3579),

Gene: Hortus1_11 Start: 4305, Stop: 4667, Start Num: 12
Candidate Starts for Hortus1_11:
(3, 4212), (Start: 12 @4305 has 6 MA's), (16, 4359), (19, 4377), (28, 4509), (32, 4554), (38, 4650), (39, 4656),

Gene: Hortus1_9 Start: 3590, Stop: 3964, Start Num: 11
Candidate Starts for Hortus1_9:
(5, 3530), (Start: 11 @3590 has 10 MA's), (33, 3875), (35, 3890), (36, 3911), (39, 3953),

Gene: Hubbs_8 Start: 3631, Stop: 4017, Start Num: 11
Candidate Starts for Hubbs_8:
(7, 3574), (Start: 11 @3631 has 10 MA's), (22, 3745), (23, 3763), (26, 3826), (39, 4006),

Gene: Jacko_103 Start: 55408, Stop: 54995, Start Num: 10
Candidate Starts for Jacko_103:
(8, 55459), (9, 55444), (Start: 10 @55408 has 1 MA's), (13, 55390), (14, 55342), (15, 55333), (17, 55318), (18, 55315), (23, 55264), (24, 55252), (25, 55222), (27, 55186), (28, 55156), (32, 55111), (34, 55078), (39, 55003), (40, 55000),

Gene: Lupine_8 Start: 3428, Stop: 3817, Start Num: 11
Candidate Starts for Lupine_8:
(2, 3308), (4, 3371), (Start: 11 @3428 has 10 MA's), (23, 3560), (28, 3665), (32, 3707), (36, 3767), (39, 3806),

Gene: OlinDD_11 Start: 4304, Stop: 4666, Start Num: 12
Candidate Starts for OlinDD_11:
(3, 4211), (Start: 12 @4304 has 6 MA's), (16, 4358), (19, 4376), (28, 4508), (32, 4553), (38, 4649), (39, 4655),

Gene: OlinDD_9 Start: 3589, Stop: 3963, Start Num: 11
Candidate Starts for OlinDD_9:
(5, 3529), (Start: 11 @3589 has 10 MA's), (33, 3874), (35, 3889), (36, 3910), (39, 3952),

Gene: Pavlo_8 Start: 3702, Stop: 4091, Start Num: 11
Candidate Starts for Pavlo_8:
(1, 3465), (Start: 11 @3702 has 10 MA's), (28, 3939), (32, 3981), (36, 4041), (39, 4080),

Gene: PhillyPhilly_9 Start: 3491, Stop: 3940, Start Num: 6
Candidate Starts for PhillyPhilly_9:
(Start: 6 @3491 has 1 MA's), (Start: 11 @3548 has 10 MA's), (23, 3680), (28, 3785), (29, 3788), (31, 3809), (32, 3830), (39, 3929),

Gene: Pioneer3_11 Start: 4337, Stop: 4690, Start Num: 12
Candidate Starts for Pioneer3_11:
(3, 4244), (Start: 12 @4337 has 6 MA's), (20, 4418), (21, 4421), (28, 4532), (30, 4541), (32, 4577), (38, 4673), (39, 4679),

Gene: Pioneer3_9 Start: 3622, Stop: 3996, Start Num: 11
Candidate Starts for Pioneer3_9:
(5, 3562), (Start: 11 @3622 has 10 MA's), (33, 3907), (35, 3922), (36, 3943), (37, 3946), (39, 3985),

Gene: Platte_11 Start: 4138, Stop: 4491, Start Num: 12
Candidate Starts for Platte_11:
(3, 4045), (Start: 12 @4138 has 6 MA's), (20, 4219), (28, 4333), (30, 4342), (32, 4378), (38, 4474), (39, 4480),

Gene: Roman_8 Start: 3340, Stop: 3726, Start Num: 11
Candidate Starts for Roman_8:
(7, 3283), (Start: 11 @3340 has 10 MA's), (23, 3472), (26, 3535), (39, 3715),

Gene: Saradis_8 Start: 3395, Stop: 3781, Start Num: 11
Candidate Starts for Saradis_8:
(7, 3338), (Start: 11 @3395 has 10 MA's), (23, 3527), (26, 3590), (39, 3770),

Gene: Solimine_8 Start: 3460, Stop: 3852, Start Num: 11
Candidate Starts for Solimine_8:
(Start: 11 @3460 has 10 MA's), (28, 3697), (29, 3700), (32, 3742), (39, 3841),

Gene: Tandem_11 Start: 4242, Stop: 4604, Start Num: 12
Candidate Starts for Tandem_11:
(3, 4149), (Start: 12 @4242 has 6 MA's), (16, 4296), (19, 4314), (28, 4446), (32, 4491), (38, 4587), (39, 4593),

Gene: Uterion_10 Start: 3842, Stop: 4234, Start Num: 11
Candidate Starts for Uterion_10:
(1, 3605), (Start: 11 @3842 has 10 MA's), (28, 4079), (29, 4082), (32, 4124), (39, 4223),