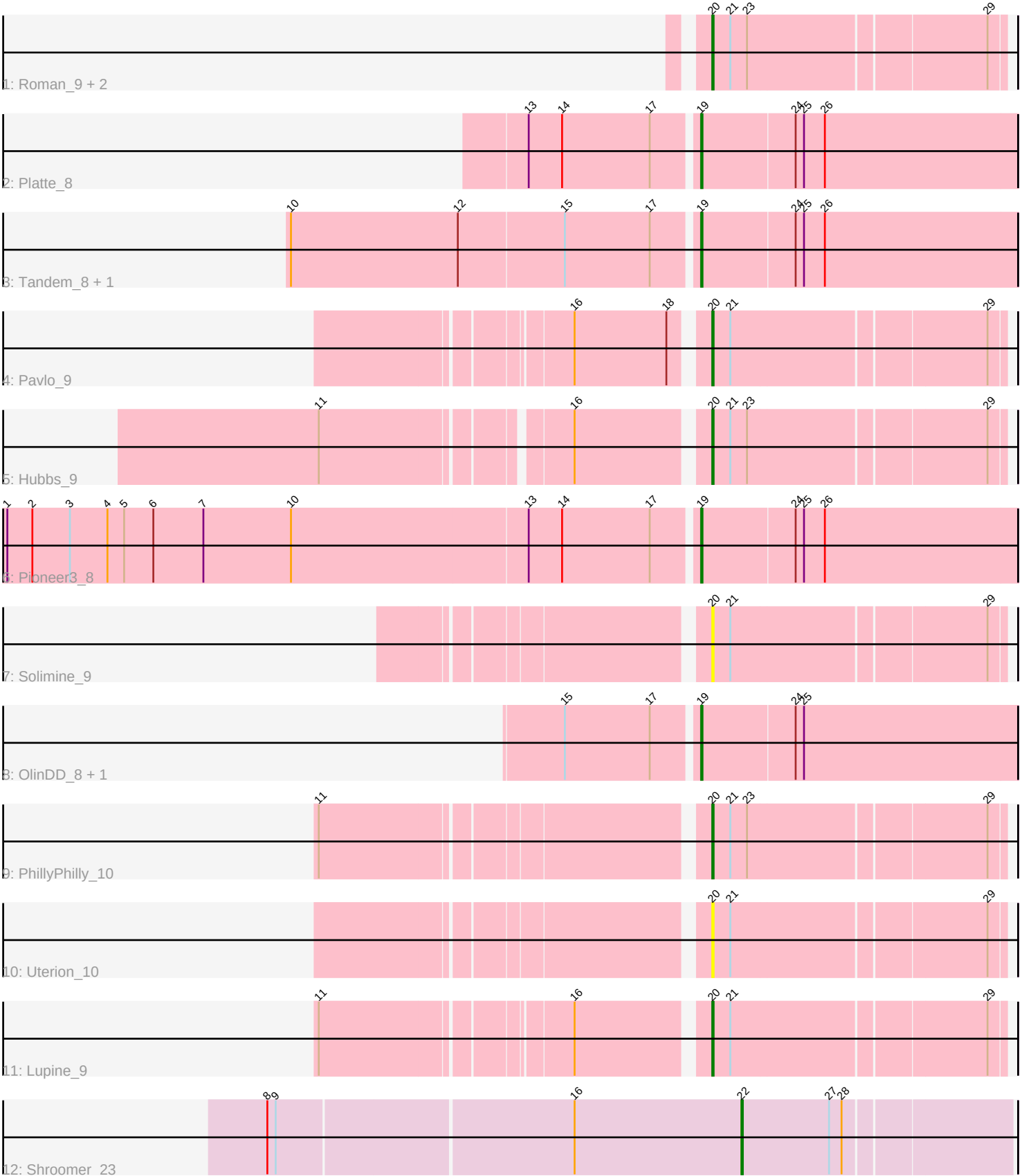




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 331344 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331344 has 16 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Roman_9, Saradis_9, DejaVu_10
- Track 2 : Platte_8
- Track 3 : Tandem_8, Alleb_9
- Track 4 : Pavlo_9
- Track 5 : Hubbs_9
- Track 6 : Pioneer3_8
- Track 7 : Solimine_9
- Track 8 : OlinDD_8, Hortus1_8
- Track 9 : PhillyPhilly_10
- Track 10 : Uterion_10
- Track 11 : Lupine_9
- Track 12 : Shroomer_23

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

The start number called the most often in the published annotations is 19, it was called in 6 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alleb_9, Hortus1_8, OlinDD_8, Pioneer3_8, Platte_8, Tandem_8,

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

-

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

- DejaVu_10, Hubbs_9, Lupine_9, Pavlo_9, PhillyPhilly_10, Roman_9, Saradis_9, Shroomer_23, Solimine_9, Uterion_10,

Summary by start number:

Start 19:

- Found in 6 of 16 (37.5%) of genes in pham
- Manual Annotations of this start: 6 of 13
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Alleb_9 (ED1), Hortus1_8 (ED1), OlinDD_8 (ED1), Pioneer3_8 (ED1), Platte_8 (ED1), Tandem_8 (ED1),

Start 20:

- Found in 9 of 16 (56.2%) of genes in pham
- Manual Annotations of this start: 6 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DejaVu_10 (ED1), Hubbs_9 (ED1), Lupine_9 (ED1), Pavlo_9 (ED1), PhillyPhilly_10 (ED1), Roman_9 (ED1), Saradis_9 (ED1), Solimine_9 (ED1), Uterion_10 (ED1),

Start 22:

- Found in 1 of 16 (6.2%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shroomer_23 (ED2),

Summary by clusters:

There are 2 clusters represented in this pham: ED2, ED1,

Info for manual annotations of cluster ED1:

- Start number 19 was manually annotated 6 times for cluster ED1.
- Start number 20 was manually annotated 6 times for cluster ED1.

Info for manual annotations of cluster ED2:

- Start number 22 was manually annotated 1 time for cluster ED2.

Gene Information:

Gene: Alleb_9 Start: 3412, Stop: 3636, Start Num: 19

Candidate Starts for Alleb_9:

(10, 3127), (12, 3247), (15, 3322), (17, 3382), (Start: 19 @3412 has 6 MA's), (24, 3478), (25, 3484), (26, 3499),

Gene: DejaVu_10 Start: 3830, Stop: 4027, Start Num: 20

Candidate Starts for DejaVu_10:

(Start: 20 @3830 has 6 MA's), (21, 3842), (23, 3854), (29, 4016),

Gene: Hortus1_8 Start: 3366, Stop: 3590, Start Num: 19

Candidate Starts for Hortus1_8:

(15, 3276), (17, 3336), (Start: 19 @3366 has 6 MA's), (24, 3432), (25, 3438),

Gene: Hubbs_9 Start: 4014, Stop: 4211, Start Num: 20

Candidate Starts for Hubbs_9:

(11, 3765), (16, 3927), (Start: 20 @4014 has 6 MA's), (21, 4026), (23, 4038), (29, 4200),

Gene: Lupine_9 Start: 3814, Stop: 4011, Start Num: 20

Candidate Starts for Lupine_9:

(11, 3562), (16, 3727), (Start: 20 @3814 has 6 MA's), (21, 3826), (29, 4000),

Gene: OlinDD_8 Start: 3365, Stop: 3589, Start Num: 19
Candidate Starts for OlinDD_8:
(15, 3275), (17, 3335), (Start: 19 @3365 has 6 MA's), (24, 3431), (25, 3437),

Gene: Pavlo_9 Start: 4088, Stop: 4285, Start Num: 20
Candidate Starts for Pavlo_9:
(16, 4001), (18, 4067), (Start: 20 @4088 has 6 MA's), (21, 4100), (29, 4274),

Gene: PhillyPhilly_10 Start: 3937, Stop: 4134, Start Num: 20
Candidate Starts for PhillyPhilly_10:
(11, 3682), (Start: 20 @3937 has 6 MA's), (21, 3949), (23, 3961), (29, 4123),

Gene: Pioneer3_8 Start: 3398, Stop: 3622, Start Num: 19
Candidate Starts for Pioneer3_8:
(1, 2909), (2, 2927), (3, 2954), (4, 2981), (5, 2993), (6, 3014), (7, 3050), (10, 3113), (13, 3281), (14, 3305), (17, 3368), (Start: 19 @3398 has 6 MA's), (24, 3464), (25, 3470), (26, 3485),

Gene: Platte_8 Start: 3388, Stop: 3612, Start Num: 19
Candidate Starts for Platte_8:
(13, 3271), (14, 3295), (17, 3358), (Start: 19 @3388 has 6 MA's), (24, 3454), (25, 3460), (26, 3475),

Gene: Roman_9 Start: 3723, Stop: 3920, Start Num: 20
Candidate Starts for Roman_9:
(Start: 20 @3723 has 6 MA's), (21, 3735), (23, 3747), (29, 3909),

Gene: Saradis_9 Start: 3778, Stop: 3975, Start Num: 20
Candidate Starts for Saradis_9:
(Start: 20 @3778 has 6 MA's), (21, 3790), (23, 3802), (29, 3964),

Gene: Shroomer_23 Start: 6660, Stop: 6845, Start Num: 22
Candidate Starts for Shroomer_23:
(8, 6327), (9, 6333), (16, 6540), (Start: 22 @6660 has 1 MA's), (27, 6723), (28, 6732),

Gene: Solimine_9 Start: 3849, Stop: 4046, Start Num: 20
Candidate Starts for Solimine_9:
(Start: 20 @3849 has 6 MA's), (21, 3861), (29, 4035),

Gene: Tandem_8 Start: 3492, Stop: 3716, Start Num: 19
Candidate Starts for Tandem_8:
(10, 3207), (12, 3327), (15, 3402), (17, 3462), (Start: 19 @3492 has 6 MA's), (24, 3558), (25, 3564), (26, 3579),

Gene: Uterion_10 Start: 4231, Stop: 4428, Start Num: 20
Candidate Starts for Uterion_10:
(Start: 20 @4231 has 6 MA's), (21, 4243), (29, 4417),