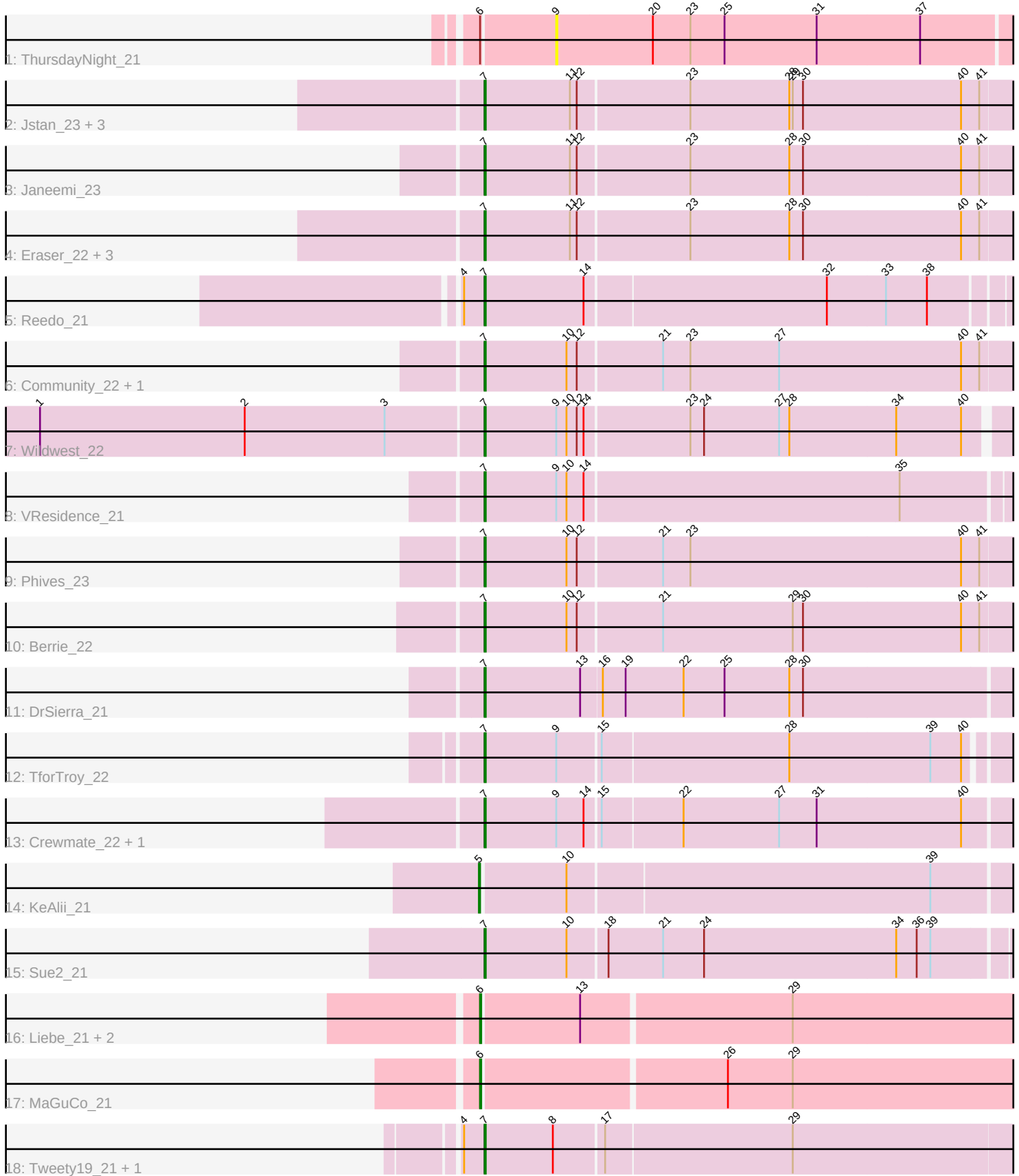


Pham 271972



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 271972 Report

This analysis was run 02/07/26 on database version 634.

Pham number 271972 has 29 members, 6 are drafts.

Phages represented in each track:

- Track 1 : ThursdayNight_21
- Track 2 : Jstan_23, Skelbel_23, Asa16_22, Niobe_22
- Track 3 : Janeemi_23
- Track 4 : Eraser_22, Elezi_22, London_22, Subaru_23
- Track 5 : Reedo_21
- Track 6 : Community_22, Tuck_23
- Track 7 : Wildwest_22
- Track 8 : VResidence_21
- Track 9 : Phives_23
- Track 10 : Berrie_22
- Track 11 : DrSierra_21
- Track 12 : TforTroy_22
- Track 13 : Crewmate_22, ObiToo_21
- Track 14 : KeAlii_21
- Track 15 : Sue2_21
- Track 16 : Liebe_21, Maureen_21, IUFootball_21
- Track 17 : MaGuCo_21
- Track 18 : Tweety19_21, Snek_21

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

The start number called the most often in the published annotations is 7, it was called in 19 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Asa16_22, Berrie_22, Community_22, Crewmate_22, DrSierra_21, Elezi_22, Eraser_22, Janeemi_23, Jstan_23, London_22, Niobe_22, ObiToo_21, Phives_23, Reedo_21, Skelbel_23, Snek_21, Subaru_23, Sue2_21, TforTroy_22, Tuck_23, Tweety19_21, VResidence_21, Wildwest_22,

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

-

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

- IUFootball_21, KeAlii_21, Liebe_21, MaGuCo_21, Maureen_21, ThursdayNight_21,

Summary by start number:

Start 5:

- Found in 1 of 29 (3.4%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: KeAlii_21 (AZ1),

Start 6:

- Found in 5 of 29 (17.2%) of genes in pham
- Manual Annotations of this start: 3 of 23
- Called 80.0% of time when present
- Phage (with cluster) where this start called: IUFootball_21 (AZ2), Liebe_21 (AZ2), MaGuCo_21 (AZ2), Maureen_21 (AZ2),

Start 7:

- Found in 23 of 29 (79.3%) of genes in pham
- Manual Annotations of this start: 19 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Asa16_22 (AZ1), Berrie_22 (AZ1), Community_22 (AZ1), Crewmate_22 (AZ1), DrSierra_21 (AZ1), Elezi_22 (AZ1), Eraser_22 (AZ1), Janeemi_23 (AZ1), Jstan_23 (AZ1), London_22 (AZ1), Niobe_22 (AZ1), ObiToo_21 (AZ1), Phives_23 (AZ1), Reedo_21 (AZ1), Skelbel_23 (AZ1), Snek_21 (AZ3), Subaru_23 (AZ1), Sue2_21 (AZ1), TforTroy_22 (AZ1), Tuck_23 (AZ1), Tweety19_21 (AZ3), VResidence_21 (AZ1), Wildwest_22 (AZ1),

Start 9:

- Found in 6 of 29 (20.7%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: ThursdayNight_21 (AZ),

Summary by clusters:

There are 4 clusters represented in this pham: AZ1, AZ2, AZ, AZ3,

Info for manual annotations of cluster AZ1:

- Start number 5 was manually annotated 1 time for cluster AZ1.
- Start number 7 was manually annotated 17 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 6 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 7 was manually annotated 2 times for cluster AZ3.

Gene Information:

Gene: Asa16_22 Start: 19280, Stop: 19747, Start Num: 7

Candidate Starts for Asa16_22:

(Start: 7 @19280 has 19 MA's), (11, 19355), (12, 19361), (23, 19457), (28, 19544), (29, 19547), (30, 19556), (40, 19694), (41, 19709),

Gene: Berrie_22 Start: 19835, Stop: 20302, Start Num: 7

Candidate Starts for Berrie_22:

(Start: 7 @19835 has 19 MA's), (10, 19907), (12, 19916), (21, 19988), (29, 20102), (30, 20111), (40, 20249), (41, 20264),

Gene: Community_22 Start: 20920, Stop: 21387, Start Num: 7

Candidate Starts for Community_22:

(Start: 7 @20920 has 19 MA's), (10, 20992), (12, 21001), (21, 21073), (23, 21097), (27, 21175), (40, 21334), (41, 21349),

Gene: Crewmate_22 Start: 17739, Stop: 18200, Start Num: 7

Candidate Starts for Crewmate_22:

(Start: 7 @17739 has 19 MA's), (9, 17802), (14, 17826), (15, 17838), (22, 17907), (27, 17991), (31, 18024), (40, 18150),

Gene: DrSierra_21 Start: 17797, Stop: 18261, Start Num: 7

Candidate Starts for DrSierra_21:

(Start: 7 @17797 has 19 MA's), (13, 17881), (16, 17899), (19, 17917), (22, 17968), (25, 18004), (28, 18061), (30, 18073),

Gene: Elezi_22 Start: 19281, Stop: 19748, Start Num: 7

Candidate Starts for Elezi_22:

(Start: 7 @19281 has 19 MA's), (11, 19356), (12, 19362), (23, 19458), (28, 19545), (30, 19557), (40, 19695), (41, 19710),

Gene: Eraser_22 Start: 19281, Stop: 19748, Start Num: 7

Candidate Starts for Eraser_22:

(Start: 7 @19281 has 19 MA's), (11, 19356), (12, 19362), (23, 19458), (28, 19545), (30, 19557), (40, 19695), (41, 19710),

Gene: IUFootball_21 Start: 18736, Stop: 19206, Start Num: 6

Candidate Starts for IUFootball_21:

(Start: 6 @18736 has 3 MA's), (13, 18820), (29, 19000),

Gene: Janeemi_23 Start: 20928, Stop: 21395, Start Num: 7

Candidate Starts for Janeemi_23:

(Start: 7 @20928 has 19 MA's), (11, 21003), (12, 21009), (23, 21105), (28, 21192), (30, 21204), (40, 21342), (41, 21357),

Gene: Jstan_23 Start: 19281, Stop: 19748, Start Num: 7

Candidate Starts for Jstan_23:

(Start: 7 @19281 has 19 MA's), (11, 19356), (12, 19362), (23, 19458), (28, 19545), (29, 19548), (30, 19557), (40, 19695), (41, 19710),

Gene: KeAlii_21 Start: 17311, Stop: 17772, Start Num: 5

Candidate Starts for KeAlii_21:

(Start: 5 @17311 has 1 MA's), (10, 17383), (39, 17695),

Gene: Liebe_21 Start: 18736, Stop: 19206, Start Num: 6
Candidate Starts for Liebe_21:
(Start: 6 @18736 has 3 MA's), (13, 18820), (29, 19000),

Gene: London_22 Start: 19281, Stop: 19748, Start Num: 7
Candidate Starts for London_22:
(Start: 7 @19281 has 19 MA's), (11, 19356), (12, 19362), (23, 19458), (28, 19545), (30, 19557), (40, 19695), (41, 19710),

Gene: MaGuCo_21 Start: 18669, Stop: 19139, Start Num: 6
Candidate Starts for MaGuCo_21:
(Start: 6 @18669 has 3 MA's), (26, 18876), (29, 18933),

Gene: Maureen_21 Start: 18736, Stop: 19206, Start Num: 6
Candidate Starts for Maureen_21:
(Start: 6 @18736 has 3 MA's), (13, 18820), (29, 19000),

Gene: Niobe_22 Start: 19281, Stop: 19748, Start Num: 7
Candidate Starts for Niobe_22:
(Start: 7 @19281 has 19 MA's), (11, 19356), (12, 19362), (23, 19458), (28, 19545), (29, 19548), (30, 19557), (40, 19695), (41, 19710),

Gene: ObiToo_21 Start: 17476, Stop: 17937, Start Num: 7
Candidate Starts for ObiToo_21:
(Start: 7 @17476 has 19 MA's), (9, 17539), (14, 17563), (15, 17575), (22, 17644), (27, 17728), (31, 17761), (40, 17887),

Gene: Phives_23 Start: 20757, Stop: 21224, Start Num: 7
Candidate Starts for Phives_23:
(Start: 7 @20757 has 19 MA's), (10, 20829), (12, 20838), (21, 20910), (23, 20934), (40, 21171), (41, 21186),

Gene: Reedo_21 Start: 17318, Stop: 17776, Start Num: 7
Candidate Starts for Reedo_21:
(4, 17300), (Start: 7 @17318 has 19 MA's), (14, 17405), (32, 17612), (33, 17663), (38, 17699),

Gene: Skelbel_23 Start: 19281, Stop: 19748, Start Num: 7
Candidate Starts for Skelbel_23:
(Start: 7 @19281 has 19 MA's), (11, 19356), (12, 19362), (23, 19458), (28, 19545), (29, 19548), (30, 19557), (40, 19695), (41, 19710),

Gene: Snek_21 Start: 16347, Stop: 16814, Start Num: 7
Candidate Starts for Snek_21:
(4, 16329), (Start: 7 @16347 has 19 MA's), (8, 16407), (17, 16449), (29, 16611),

Gene: Subaru_23 Start: 19281, Stop: 19748, Start Num: 7
Candidate Starts for Subaru_23:
(Start: 7 @19281 has 19 MA's), (11, 19356), (12, 19362), (23, 19458), (28, 19545), (30, 19557), (40, 19695), (41, 19710),

Gene: Sue2_21 Start: 17971, Stop: 18432, Start Num: 7
Candidate Starts for Sue2_21:

(Start: 7 @17971 has 19 MA's), (10, 18043), (18, 18076), (21, 18124), (24, 18160), (34, 18328), (36, 18346), (39, 18358),

Gene: TforTroy_22 Start: 19431, Stop: 19886, Start Num: 7

Candidate Starts for TforTroy_22:

(Start: 7 @19431 has 19 MA's), (9, 19494), (15, 19530), (28, 19692), (39, 19815), (40, 19842),

Gene: ThursdayNight_21 Start: 18678, Stop: 19073, Start Num: 9

Candidate Starts for ThursdayNight_21:

(Start: 6 @18615 has 3 MA's), (9, 18678), (20, 18762), (23, 18795), (25, 18825), (31, 18906), (37, 18996),

Gene: Tuck_23 Start: 20900, Stop: 21367, Start Num: 7

Candidate Starts for Tuck_23:

(Start: 7 @20900 has 19 MA's), (10, 20972), (12, 20981), (21, 21053), (23, 21077), (27, 21155), (40, 21314), (41, 21329),

Gene: Tweety19_21 Start: 16346, Stop: 16813, Start Num: 7

Candidate Starts for Tweety19_21:

(4, 16328), (Start: 7 @16346 has 19 MA's), (8, 16406), (17, 16448), (29, 16610),

Gene: VResidence_21 Start: 17376, Stop: 17837, Start Num: 7

Candidate Starts for VResidence_21:

(Start: 7 @17376 has 19 MA's), (9, 17439), (10, 17448), (14, 17463), (35, 17736),

Gene: Wildwest_22 Start: 18728, Stop: 19186, Start Num: 7

Candidate Starts for Wildwest_22:

(1, 18344), (2, 18524), (3, 18647), (Start: 7 @18728 has 19 MA's), (9, 18791), (10, 18800), (12, 18809), (14, 18815), (23, 18905), (24, 18917), (27, 18983), (28, 18992), (34, 19085), (40, 19142),