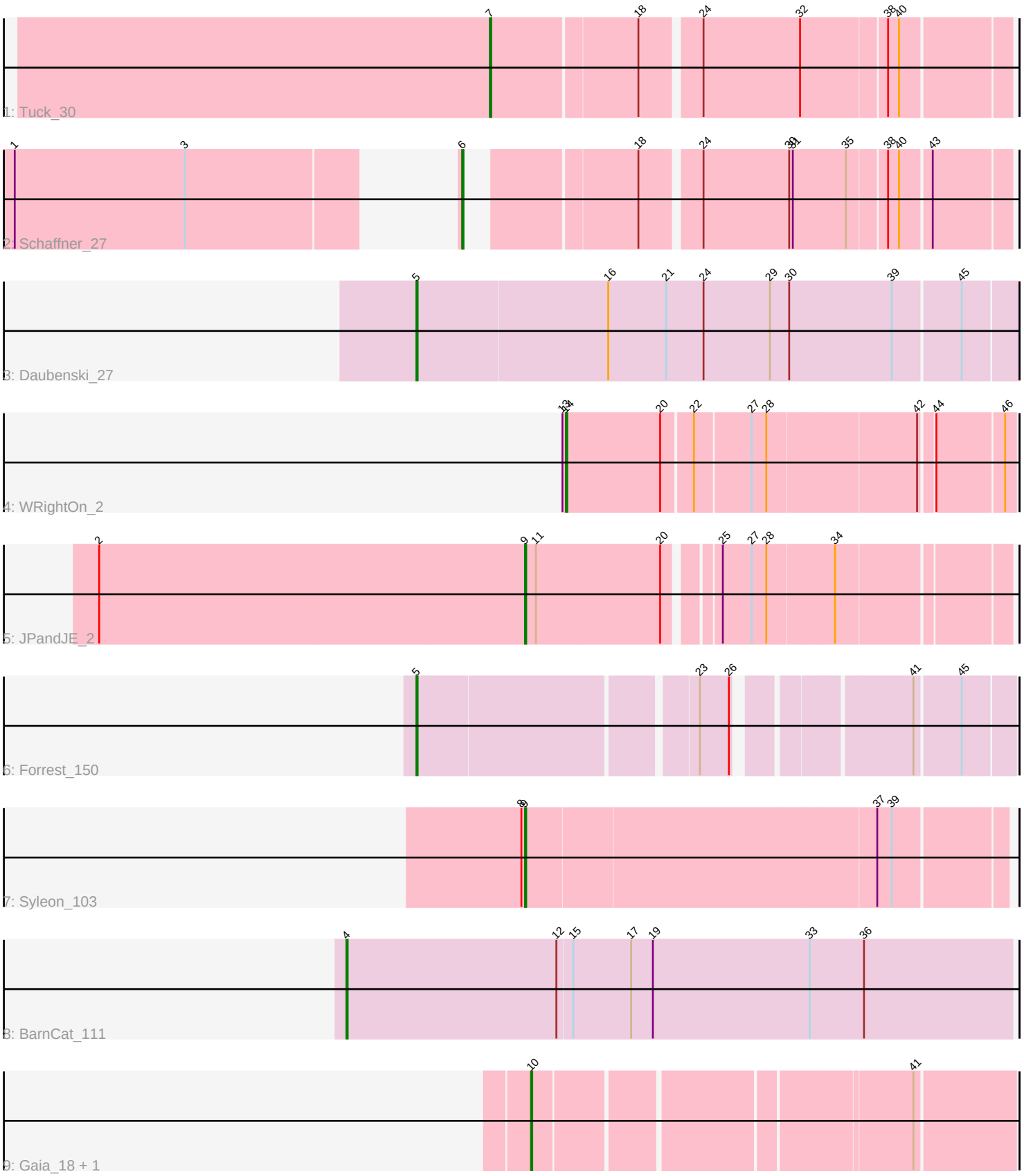
Pham 281141


7
18
24
32
38
40
1: Tuck_30
1
3
6
18
24
30
31
35
38
40
43
2: Schaffner_27
5
16
21
24
29
30
39
45
3: Daubenski_27
13
14
20
22
27
28
42
44
46
4: WRightOn_2
2
9
11
20
25
27
28
34
5: JPandJE_2
5
23
26
41
45
6: Forrest_150
8
9
37
39
7: Syleon_103
4
12
15
17
19
33
36
8: BarnCat_111
10
41
9: Gaia_18 + 1

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 281141 Report

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

Pham number 281141 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Tuck_30
• Track 2 : Schaffner_27
• Track 3 : Daubenski_27
• Track 4 : WRightOn_2
• Track 5 : JPandJE_2
• Track 6 : Forrest_150
• Track 7 : Syleon_103
• Track 8 : BarnCat_111
• Track 9 : Gaia_18, Nebkiss_19

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

The start number called the most often in the published annotations is 9, it was called in 2 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• JPandJE_2, Syleon_103,

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

Genes that do not have the "Most Annotated" start:
• BarnCat_111, Daubenski_27, Forrest_150, Gaia_18, Nebkiss_19, Schaffner_27, Tuck_30, WRightOn_2,

Summary by start number:

Start 4:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarnCat_111 (GB),

Start 5:

• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Daubenski_27 (BE1), Forrest_150 (BK1),

Start 6:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Schaffner_27 (AZ1),

Start 7:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tuck_30 (AZ1),

Start 9:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JPandJE_2 (BF), Syleon_103 (DU1),

Start 10:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gaia_18 (X), Nebkiss_19 (X),

Start 14:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: WRightOn_2 (BF),

Summary by clusters:

There are 7 clusters represented in this pham: BF, GB, X, DU1, AZ1, BE1, BK1,

Info for manual annotations of cluster AZ1:
•Start number 6 was manually annotated 1 time for cluster AZ1.
•Start number 7 was manually annotated 1 time for cluster AZ1.

Info for manual annotations of cluster BE1:
•Start number 5 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BF:
•Start number 9 was manually annotated 1 time for cluster BF.
•Start number 14 was manually annotated 1 time for cluster BF.

Info for manual annotations of cluster BK1:
•Start number 5 was manually annotated 1 time for cluster BK1.

Info for manual annotations of cluster DU1:
•Start number 9 was manually annotated 1 time for cluster DU1.

Info for manual annotations of cluster GB:
•Start number 4 was manually annotated 1 time for cluster GB.

Info for manual annotations of cluster X:
•Start number 10 was manually annotated 2 times for cluster X.

Gene Information:

Gene: BarnCat_111 Start: 57019, Stop: 57567, Start Num: 4
Candidate Starts for BarnCat_111:
(Start: 4 @57019 has 1 MA's), (12, 57193), (15, 57205), (17, 57253), (19, 57271), (33, 57400), (36, 57445),

Gene: Daubenski_27 Start: 12504, Stop: 12022, Start Num: 5
Candidate Starts for Daubenski_27:
(Start: 5 @12504 has 2 MA's), (16, 12348), (21, 12300), (24, 12270), (29, 12216), (30, 12201), (39, 12120), (45, 12066),

Gene: Forrest_150 Start: 82816, Stop: 83256, Start Num: 5
Candidate Starts for Forrest_150:
(Start: 5 @82816 has 2 MA's), (23, 83032), (26, 83056), (41, 83179), (45, 83215),

Gene: Gaia_18 Start: 17322, Stop: 17690, Start Num: 10
Candidate Starts for Gaia_18:
(Start: 10 @17322 has 2 MA's), (41, 17610),

Gene: JPandJE_2 Start: 2649, Stop: 3017, Start Num: 9
Candidate Starts for JPandJE_2:
(2, 2298), (Start: 9 @2649 has 2 MA's), (11, 2658), (20, 2760), (25, 2796), (27, 2820), (28, 2832), (34, 2883),

Gene: Nebkiss_19 Start: 17323, Stop: 17691, Start Num: 10
Candidate Starts for Nebkiss_19:
(Start: 10 @17323 has 2 MA's), (41, 17611),

Gene: Schaffner_27 Start: 23138, Stop: 23539, Start Num: 6
Candidate Starts for Schaffner_27:
(1, 22853), (3, 22994), (Start: 6 @23138 has 1 MA's), (18, 23255), (24, 23300), (30, 23369), (31, 23372), (35, 23414), (38, 23444), (40, 23453), (43, 23477),

Gene: Syleon_103 Start: 59026, Stop: 59409, Start Num: 9
Candidate Starts for Syleon_103:
(8, 59023), (Start: 9 @59026 has 2 MA's), (37, 59308), (39, 59320),

Gene: Tuck_30 Start: 24609, Stop: 25010, Start Num: 7
Candidate Starts for Tuck_30:
(Start: 7 @24609 has 1 MA's), (18, 24726), (24, 24771), (32, 24849), (38, 24915), (40, 24924),

Gene: WRightOn_2 Start: 2629, Stop: 2976, Start Num: 14
Candidate Starts for WRightOn_2:
(13, 2626), (Start: 14 @2629 has 1 MA's), (20, 2707), (22, 2731), (27, 2776), (28, 2788), (42, 2905), (44, 2914), (46, 2968),