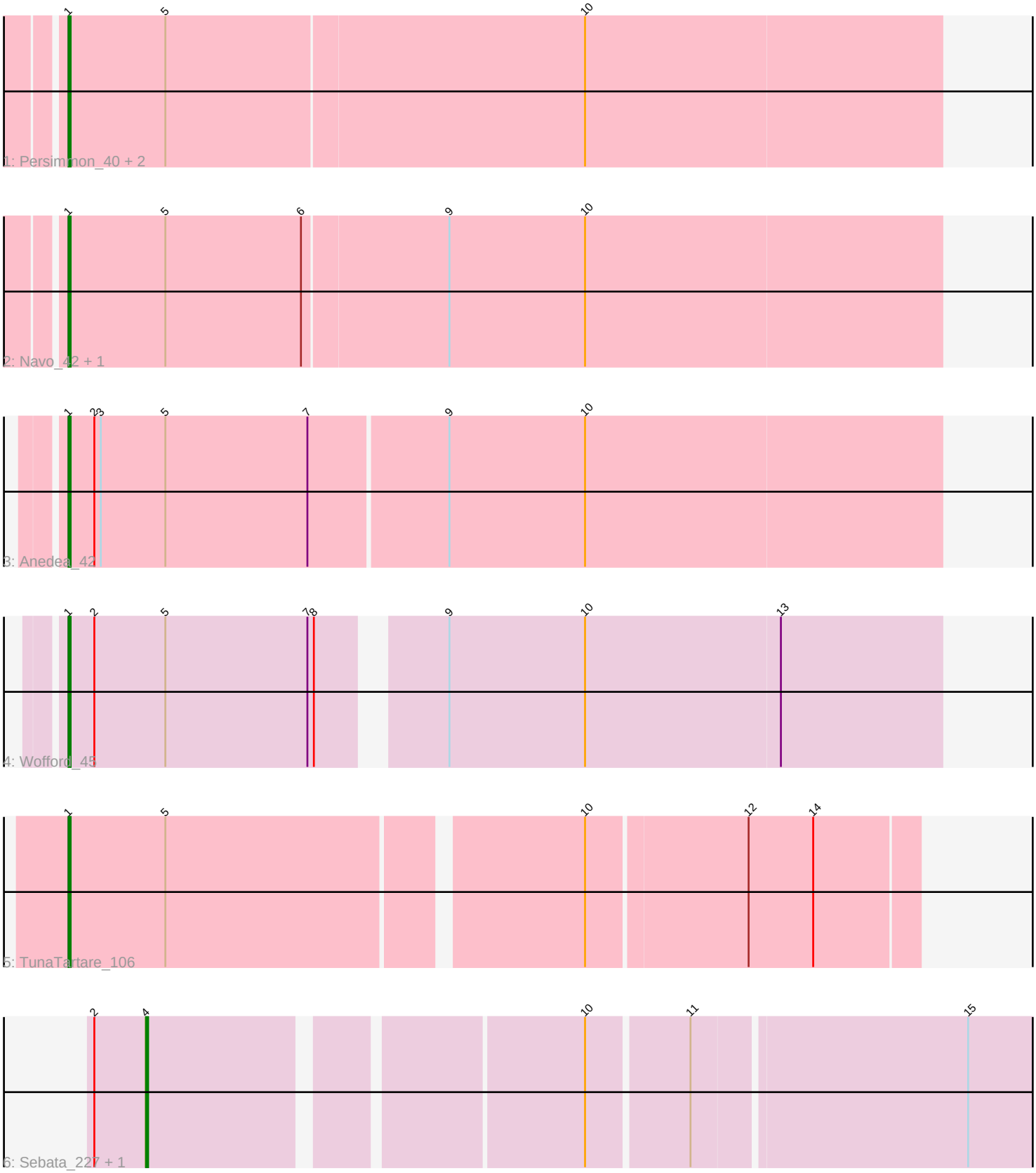
Pham 170509


1
5
10
1: Persimmon_40 + 2
1
5
6
9
10
2: Navo_42 + 1
1
23
5
7
9
10
3: Anedea_42
1
2
5
78
9
10
13
4: Wofford_45
1
5
10
12
14
5: TunaTartare_106
2
4
10
11
15
6: Sebata_227 + 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 170509 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170509 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Persimmon_40, WhereRU_43, Leo04_45
• Track 2 : Navo_42, Braelyn_43
• Track 3 : Anedea_42
• Track 4 : Wofford_45
• Track 5 : TunaTartare_106
• Track 6 : Sebata_227, Salacia_226

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 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anedea_42, Braelyn_43, Leo04_45, Navo_42, Persimmon_40, TunaTartare_106, WhereRU_43, Wofford_45,

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

Genes that do not have the "Most Annotated" start:
• Salacia_226, Sebata_227,

Summary by start number:

Start 1:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 7 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anedea_42 (BE1), Braelyn_43 (BE1), Leo04_45 (BE1), Navo_42 (BE1), Persimmon_40 (BE1), TunaTartare_106 (BK1), WhereRU_43 (BE1), Wofford_45 (BE2),

Start 4:
• Found in 2 of 10 (20.0%) of genes in pham

• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Salacia_226 (C1), Sebata_227 (C1),

Summary by clusters:

There are 4 clusters represented in this pham: BE2, C1, BE1, BK1,

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

Info for manual annotations of cluster BE2:
•Start number 1 was manually annotated 1 time for cluster BE2.

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

Info for manual annotations of cluster C1:
•Start number 4 was manually annotated 2 times for cluster C1.

Gene Information:

Gene: Anedea_42 Start: 21646, Stop: 22047, Start Num: 1
Candidate Starts for Anedea_42:
(Start: 1 @21646 has 7 MA's), (2, 21658), (3, 21661), (5, 21691), (7, 21757), (9, 21820), (10, 21883),

Gene: Braelyn_43 Start: 22198, Stop: 22599, Start Num: 1
Candidate Starts for Braelyn_43:
(Start: 1 @22198 has 7 MA's), (5, 22243), (6, 22306), (9, 22372), (10, 22435),

Gene: Leo04_45 Start: 23281, Stop: 23682, Start Num: 1
Candidate Starts for Leo04_45:
(Start: 1 @23281 has 7 MA's), (5, 23326), (10, 23518),

Gene: Navo_42 Start: 22093, Stop: 22494, Start Num: 1
Candidate Starts for Navo_42:
(Start: 1 @22093 has 7 MA's), (5, 22138), (6, 22201), (9, 22267), (10, 22330),

Gene: Persimmon_40 Start: 21025, Stop: 21426, Start Num: 1
Candidate Starts for Persimmon_40:
(Start: 1 @21025 has 7 MA's), (5, 21070), (10, 21262),

Gene: Salacia_226 Start: 127343, Stop: 126957, Start Num: 4
Candidate Starts for Salacia_226:
(2, 127367), (Start: 4 @127343 has 2 MA's), (10, 127157), (11, 127112), (15, 126989),

Gene: Sebata_227 Start: 127157, Stop: 126771, Start Num: 4
Candidate Starts for Sebata_227:
(2, 127181), (Start: 4 @127157 has 2 MA's), (10, 126971), (11, 126926), (15, 126803),

Gene: TunaTartare_106 Start: 73259, Stop: 73636, Start Num: 1

Candidate Starts for TunaTartare_106:
(Start: 1 @73259 has 7 MA's), (5, 73304), (10, 73487), (12, 73559), (14, 73589),

Gene: WhereRU_43 Start: 21615, Stop: 22016, Start Num: 1
Candidate Starts for WhereRU_43:
(Start: 1 @21615 has 7 MA's), (5, 21660), (10, 21852),

Gene: Wofford_45 Start: 23131, Stop: 23520, Start Num: 1
Candidate Starts for Wofford_45:
(Start: 1 @23131 has 7 MA's), (2, 23143), (5, 23176), (7, 23242), (8, 23245), (9, 23293), (10, 23356), (13, 23446),