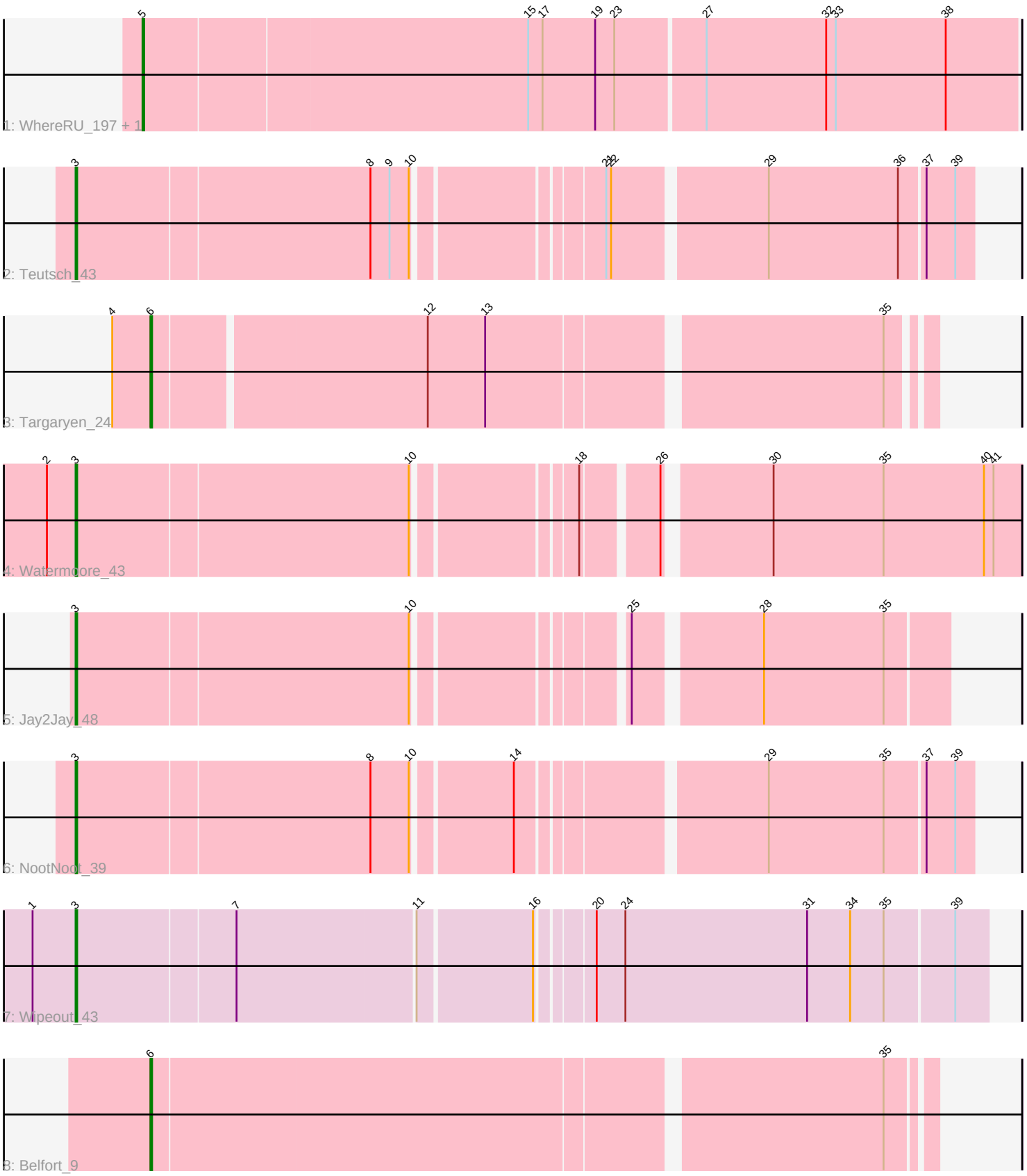
Pham 222045


5
15
17
19
23
27
32
33
38
1: WhereRU_197 + 1
3
8
9
10
22
22
29
36
37
39
2: Teutsch_43
4
6
12
13
35
3: Targaryen_24
2
3
10
18
26
30
35
40
41
4: Watermoore_43
3
10
25
28
35
5: Jay2Jay_48
3
8
10
14
29
35
37
39
6: NootNoot_39
1
3
7
11
16
20
24
31
34
35
39
7: Wipeout_43
6
35
8: Belfort_9

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 222045 Report

This analysis was run 03/28/25 on database version 593.

Pham number 222045 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : WhereRU_197, Persimmon_199
• Track 2 : Teutsch_43
• Track 3 : Targaryen_24
• Track 4 : Watermoore_43
• Track 5 : Jay2Jay_48
• Track 6 : NootNoot_39
• Track 7 : Wipeout_43
• Track 8 : Belfort_9

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Jay2Jay_48, NootNoot_39, Teutsch_43, Watermoore_43, Wipeout_43,

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

Genes that do not have the "Most Annotated" start:
• Belfort_9, Persimmon_199, Targaryen_24, WhereRU_197,

Summary by start number:

Start 3:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jay2Jay_48 (BE1), NootNoot_39 (BE1), Teutsch_43 (BE1), Watermoore_43 (BE1), Wipeout_43 (BE2),

Start 5:
• Found in 2 of 9 (22.2%) 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: Persimmon_199 (BE1), WhereRU_197 (BE1),

Start 6:
• Found in 2 of 9 (22.2%) 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: Belfort_9 (BK1), Targaryen_24 (BE1),

Summary by clusters:

There are 3 clusters represented in this pham: BE2, BE1, BK1,

Info for manual annotations of cluster BE1:
•Start number 3 was manually annotated 4 times for cluster BE1.
•Start number 5 was manually annotated 2 times for cluster BE1.
•Start number 6 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 3 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster BK1:
•Start number 6 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Belfort_9 Start: 3515, Stop: 3048, Start Num: 6
Candidate Starts for Belfort_9:
(Start: 6 @3515 has 2 MA's), (35, 3074),

Gene: Jay2Jay_48 Start: 21945, Stop: 22448, Start Num: 3
Candidate Starts for Jay2Jay_48:
(Start: 3 @21945 has 5 MA's), (10, 22149), (25, 22263), (28, 22335), (35, 22410),

Gene: NootNoot_39 Start: 19334, Stop: 19861, Start Num: 3
Candidate Starts for NootNoot_39:
(Start: 3 @19334 has 5 MA's), (8, 19514), (10, 19538), (14, 19595), (29, 19736), (35, 19808), (37, 19832), (39, 19850),

Gene: Persimmon_199 Start: 102263, Stop: 102802, Start Num: 5
Candidate Starts for Persimmon_199:
(Start: 5 @102263 has 2 MA's), (15, 102500), (17, 102509), (19, 102542), (23, 102554), (27, 102608), (32, 102683), (33, 102689), (38, 102758),

Gene: Targaryen_24 Start: 12646, Stop: 12188, Start Num: 6
Candidate Starts for Targaryen_24:
(4, 12670), (Start: 6 @12646 has 2 MA's), (12, 12481), (13, 12445), (35, 12211),

Gene: Teutsch_43 Start: 21423, Stop: 21950, Start Num: 3

Candidate Starts for Teutsch_43:
(Start: 3 @21423 has 5 MA's), (8, 21603), (9, 21615), (10, 21627), (21, 21732), (22, 21735), (29, 21825), (36, 21906), (37, 21921), (39, 21939),

Gene: Watermoore_43 Start: 21631, Stop: 22182, Start Num: 3
Candidate Starts for Watermoore_43:
(2, 21613), (Start: 3 @21631 has 5 MA's), (10, 21835), (18, 21925), (26, 21967), (30, 22027), (35, 22096), (40, 22159), (41, 22165),

Gene: WhereRU_197 Start: 102837, Stop: 103376, Start Num: 5
Candidate Starts for WhereRU_197:
(Start: 5 @102837 has 2 MA's), (15, 103074), (17, 103083), (19, 103116), (23, 103128), (27, 103182), (32, 103257), (33, 103263), (38, 103332),

Gene: Wipeout_43 Start: 21273, Stop: 21818, Start Num: 3
Candidate Starts for Wipeout_43:
(1, 21246), (Start: 3 @21273 has 5 MA's), (7, 21369), (11, 21477), (16, 21546), (20, 21576), (24, 21594), (31, 21708), (34, 21735), (35, 21756), (39, 21798),