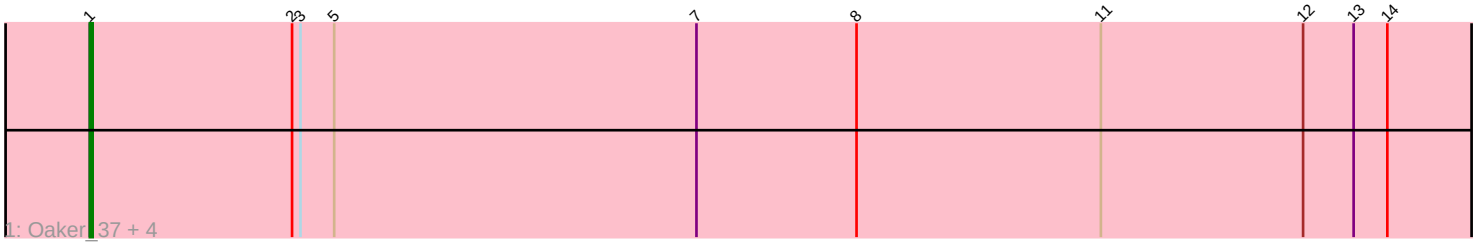
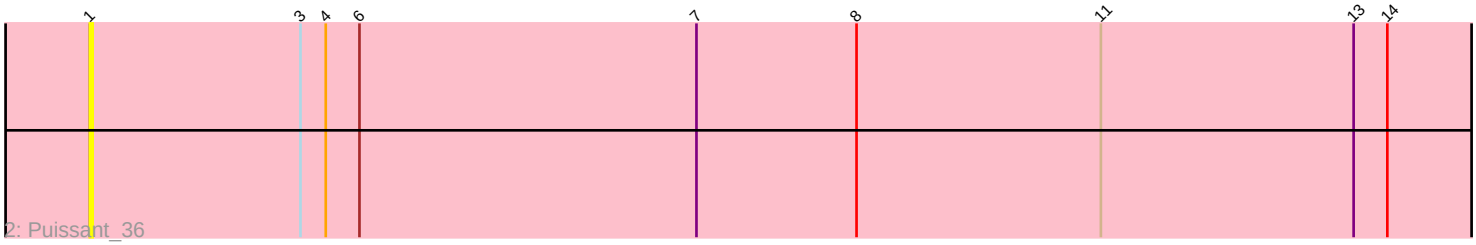
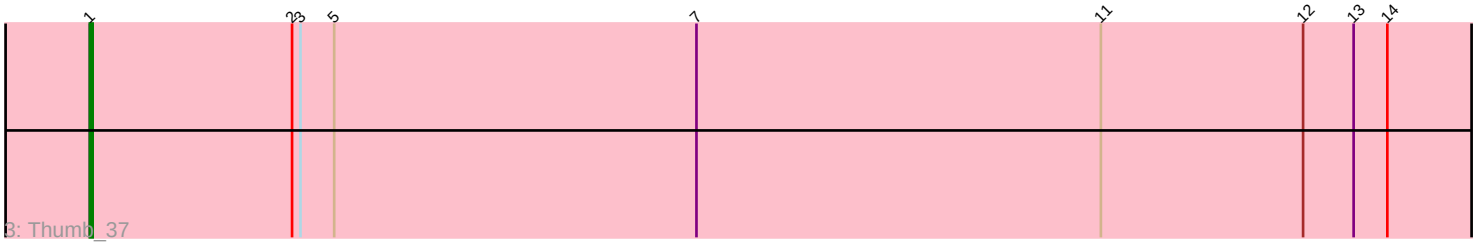
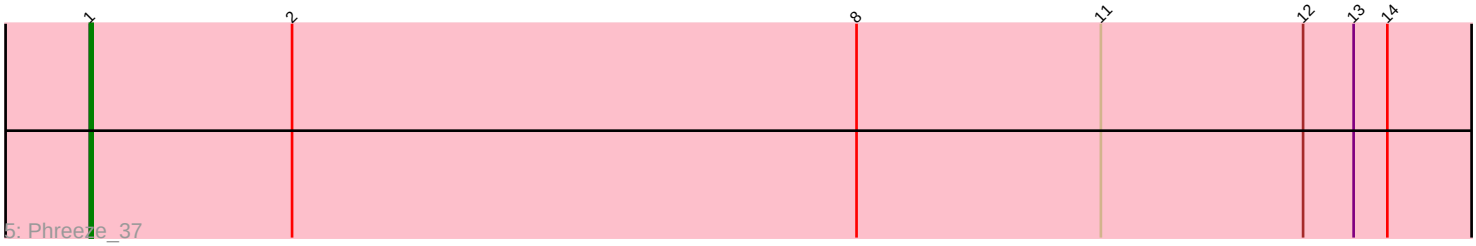
Pham 220338

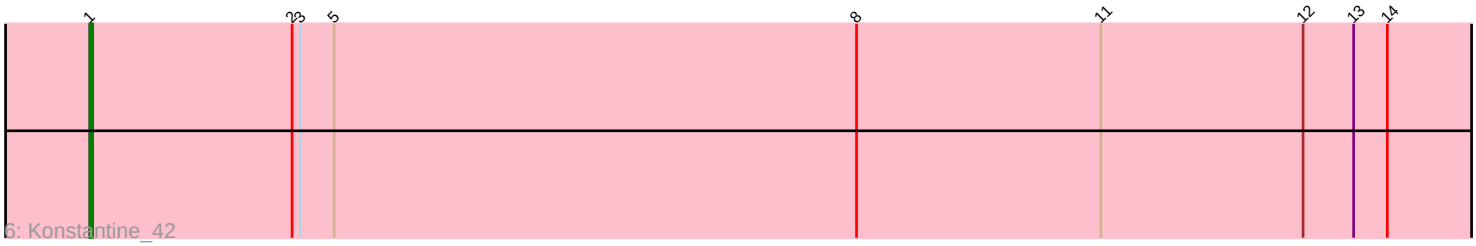

1
2
3
5
7
8
11
12
13
14
1: Oaker_37 + 4


1
3
4
6
7
8
11
13
14
2: Puissant_36


1
2
3
5
7
11
12
13
14
3: Thumb_37


1
8
9
10
13
14
4: Predator_39


1
2
8
11
12
13
14
5: Phreeze_37


1
2
3
5
8
11
12
13
14
6: Konstantine_42

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 220338 Report

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

Pham number 220338 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Oaker_37, Damien_37, Megatron06_39, Beckerton_37, Cborch11_38
• Track 2 : Puissant_36
• Track 3 : Thumb_37
• Track 4 : Predator_39
• Track 5 : Phreeze_37
• Track 6 : Konstantine_42

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

Genes that call this "Most Annotated" start:
• Beckerton_37, Cborch11_38, Damien_37, Konstantine_42, Megatron06_39, Oaker_37, Phreeze_37, Predator_39, Puissant_36, Thumb_37,

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

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

Summary by start number:

Start 1:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beckerton_37 (H1), Cborch11_38 (H1), Damien_37 (H1), Konstantine_42 (H1), Megatron06_39 (H1), Oaker_37 (H1), Phreeze_37 (H1), Predator_39 (H1), Puissant_36 (H1), Thumb_37 (H1),

Summary by clusters:

There is one cluster represented in this pham: H1

Info for manual annotations of cluster H1:
•Start number 1 was manually annotated 9 times for cluster H1.

Gene Information:

Gene: Beckerton_37 Start: 33873, Stop: 34388, Start Num: 1
Candidate Starts for Beckerton_37:
(Start: 1 @33873 has 9 MA's), (2, 33945), (3, 33948), (5, 33960), (7, 34089), (8, 34146), (11, 34233), (12, 34305), (13, 34323), (14, 34335),

Gene: Cborch11_38 Start: 33338, Stop: 33853, Start Num: 1
Candidate Starts for Cborch11_38:
(Start: 1 @33338 has 9 MA's), (2, 33410), (3, 33413), (5, 33425), (7, 33554), (8, 33611), (11, 33698), (12, 33770), (13, 33788), (14, 33800),

Gene: Damien_37 Start: 33339, Stop: 33854, Start Num: 1
Candidate Starts for Damien_37:
(Start: 1 @33339 has 9 MA's), (2, 33411), (3, 33414), (5, 33426), (7, 33555), (8, 33612), (11, 33699), (12, 33771), (13, 33789), (14, 33801),

Gene: Konstantine_42 Start: 34540, Stop: 35055, Start Num: 1
Candidate Starts for Konstantine_42:
(Start: 1 @34540 has 9 MA's), (2, 34612), (3, 34615), (5, 34627), (8, 34813), (11, 34900), (12, 34972), (13, 34990), (14, 35002),

Gene: Megatron06_39 Start: 33872, Stop: 34387, Start Num: 1
Candidate Starts for Megatron06_39:
(Start: 1 @33872 has 9 MA's), (2, 33944), (3, 33947), (5, 33959), (7, 34088), (8, 34145), (11, 34232), (12, 34304), (13, 34322), (14, 34334),

Gene: Oaker_37 Start: 33596, Stop: 34111, Start Num: 1
Candidate Starts for Oaker_37:
(Start: 1 @33596 has 9 MA's), (2, 33668), (3, 33671), (5, 33683), (7, 33812), (8, 33869), (11, 33956), (12, 34028), (13, 34046), (14, 34058),

Gene: Phreeze_37 Start: 33339, Stop: 33854, Start Num: 1
Candidate Starts for Phreeze_37:
(Start: 1 @33339 has 9 MA's), (2, 33411), (8, 33612), (11, 33699), (12, 33771), (13, 33789), (14, 33801),

Gene: Predator_39 Start: 32530, Stop: 33021, Start Num: 1
Candidate Starts for Predator_39:
(Start: 1 @32530 has 9 MA's), (8, 32803), (9, 32854), (10, 32860), (13, 32980), (14, 32992),

Gene: Puissant_36 Start: 33827, Stop: 34342, Start Num: 1
Candidate Starts for Puissant_36:
(Start: 1 @33827 has 9 MA's), (3, 33902), (4, 33911), (6, 33923), (7, 34043), (8, 34100), (11, 34187), (13, 34277), (14, 34289),

Gene: Thumb_37 Start: 33336, Stop: 33851, Start Num: 1
Candidate Starts for Thumb_37:
(Start: 1 @33336 has 9 MA's), (2, 33408), (3, 33411), (5, 33423), (7, 33552), (11, 33696), (12, 33768), (13, 33786), (14, 33798),