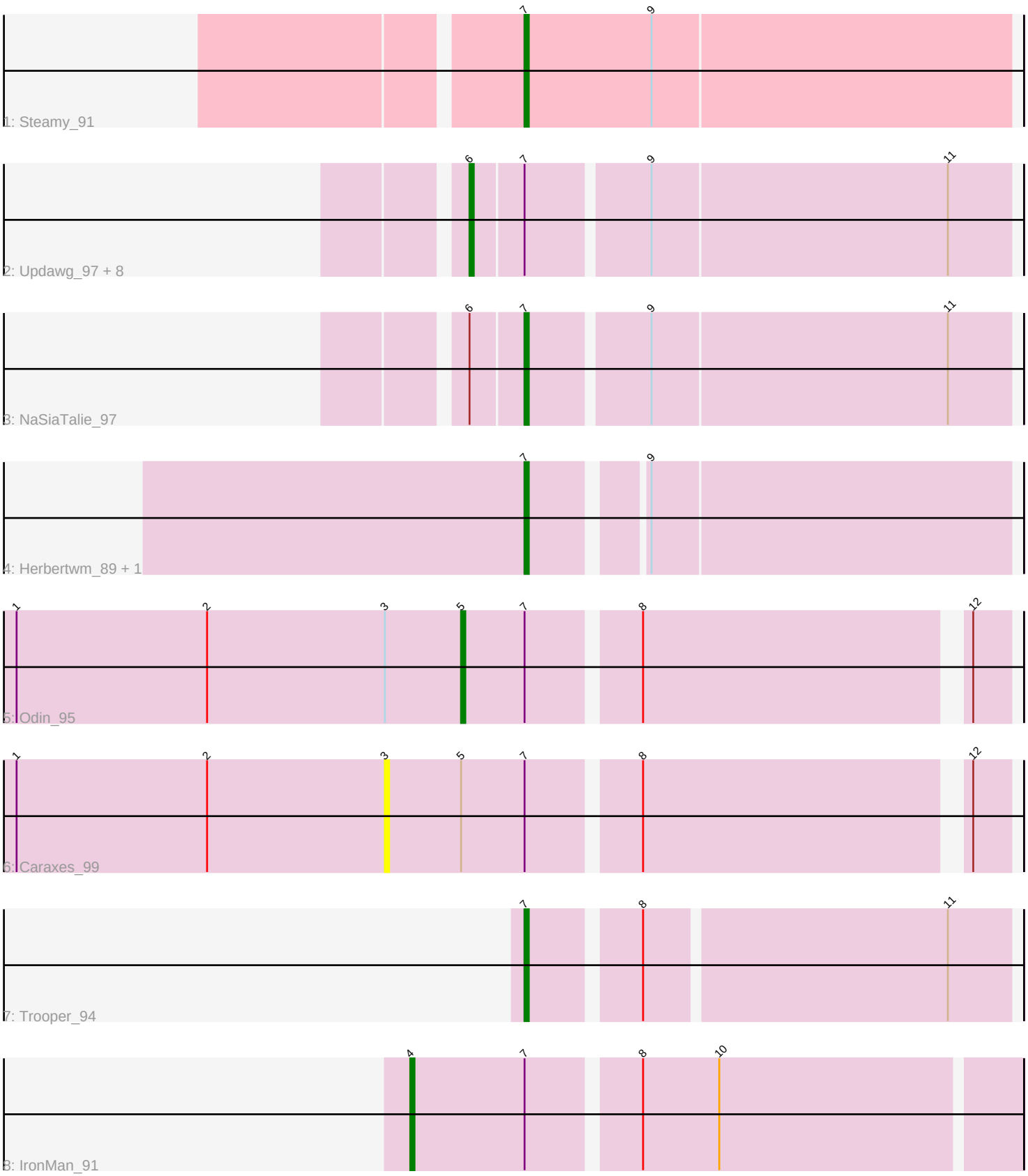
Pham 291617


7
9
1: Steamy_91
6
7
9
11
2: Updawg_97 + 8
6
7
9
11
3: NaSiaTalie_97
7
9
4: Herbertwm_89 + 1
1
2
3
5
7
8
12
5: Odin_95
1
2
3
5
7
8
12
6: Caraxes_99
7
8
11
7: Trooper_94
4
7
8
10
8: IronMan_91

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 291617 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291617 has 17 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Steamy_91
• Track 2 : Updawg_97, Centaur_97, WideWale_97, Gratitude_94, Drake55_96, Equemioh13_96, Sknot_97, Terrific_98, MiculUcigas_96
• Track 3 : NaSiaTalie_97
• Track 4 : Herbertwm_89, Chargerpower_100
• Track 5 : Odin_95
• Track 6 : Caraxes_99
• Track 7 : Trooper_94
• Track 8 : IronMan_91

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

The start number called the most often in the published annotations is 6, it was called in 7 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Centaur_97, Drake55_96, Equemioh13_96, Gratitude_94, MiculUcigas_96, Sknot_97, Terrific_98, Updawg_97, WideWale_97,

Genes that have the "Most Annotated" start but do not call it:
• NaSiaTalie_97,

Genes that do not have the "Most Annotated" start:
• Caraxes_99, Chargerpower_100, Herbertwm_89, IronMan_91, Odin_95, Steamy_91, Trooper_94,

Summary by start number:

Start 3:
• Found in 2 of 17 (11.8%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Caraxes_99 (A2),

Start 4:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IronMan_91 (A2),

Start 5:
• Found in 2 of 17 (11.8%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Odin_95 (A2),

Start 6:
• Found in 10 of 17 (58.8%) of genes in pham
• Manual Annotations of this start: 7 of 14
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Centaur_97 (A2), Drake55_96 (A2), Equemioh13_96 (A2), Gratitude_94 (A2), MiculUcigas_96 (A2), Sknot_97 (A2), Terrific_98 (A2), Updawg_97 (A2), WideWale_97 (A2),

Start 7:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 14
• Called 29.4% of time when present
• Phage (with cluster) where this start called: Chargerpower_100 (A22), Herbertwm_89 (A2), NaSiaTalie_97 (A2), Steamy_91 (A12), Trooper_94 (A2),

Summary by clusters:

There are 3 clusters represented in this pham: A22, A2, A12,

Info for manual annotations of cluster A12:
•Start number 7 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A2:
•Start number 4 was manually annotated 1 time for cluster A2.
•Start number 5 was manually annotated 1 time for cluster A2.
•Start number 6 was manually annotated 7 times for cluster A2.
•Start number 7 was manually annotated 3 times for cluster A2.

Info for manual annotations of cluster A22:
•Start number 7 was manually annotated 1 time for cluster A22.

Gene Information:

Gene: Caraxes_99 Start: 51295, Stop: 51158, Start Num: 3
Candidate Starts for Caraxes_99:
(1, 51382), (2, 51337), (3, 51295), (Start: 5 @51277 has 1 MA's), (Start: 7 @51262 has 5 MA's), (8, 51238), (12, 51166),

Gene: Centaur_97 Start: 51531, Stop: 51409, Start Num: 6

Candidate Starts for Centaur_97:
(Start: 6 @51531 has 7 MA's), (Start: 7 @51519 has 5 MA's), (9, 51492), (11, 51423),

Gene: Chargerpower_100 Start: 51126, Stop: 51016, Start Num: 7
Candidate Starts for Chargerpower_100:
(Start: 7 @51126 has 5 MA's), (9, 51096),

Gene: Drake55_96 Start: 51249, Stop: 51127, Start Num: 6
Candidate Starts for Drake55_96:
(Start: 6 @51249 has 7 MA's), (Start: 7 @51237 has 5 MA's), (9, 51210), (11, 51141),

Gene: Equemioh13_96 Start: 51572, Stop: 51450, Start Num: 6
Candidate Starts for Equemioh13_96:
(Start: 6 @51572 has 7 MA's), (Start: 7 @51560 has 5 MA's), (9, 51533), (11, 51464),

Gene: Gratitude_94 Start: 51572, Stop: 51450, Start Num: 6
Candidate Starts for Gratitude_94:
(Start: 6 @51572 has 7 MA's), (Start: 7 @51560 has 5 MA's), (9, 51533), (11, 51464),

Gene: Herbertwm_89 Start: 50204, Stop: 50097, Start Num: 7
Candidate Starts for Herbertwm_89:
(Start: 7 @50204 has 5 MA's), (9, 50180),

Gene: IronMan_91 Start: 52058, Stop: 51921, Start Num: 4
Candidate Starts for IronMan_91:
(Start: 4 @52058 has 1 MA's), (Start: 7 @52031 has 5 MA's), (8, 52007), (10, 51989),

Gene: MiculUcigas_96 Start: 51290, Stop: 51168, Start Num: 6
Candidate Starts for MiculUcigas_96:
(Start: 6 @51290 has 7 MA's), (Start: 7 @51278 has 5 MA's), (9, 51251), (11, 51182),

Gene: NaSiaTalie_97 Start: 51439, Stop: 51329, Start Num: 7
Candidate Starts for NaSiaTalie_97:
(Start: 6 @51451 has 7 MA's), (Start: 7 @51439 has 5 MA's), (9, 51412), (11, 51343),

Gene: Odin_95 Start: 51188, Stop: 51069, Start Num: 5
Candidate Starts for Odin_95:
(1, 51293), (2, 51248), (3, 51206), (Start: 5 @51188 has 1 MA's), (Start: 7 @51173 has 5 MA's), (8, 51149), (12, 51077),

Gene: Sknot_97 Start: 51578, Stop: 51456, Start Num: 6
Candidate Starts for Sknot_97:
(Start: 6 @51578 has 7 MA's), (Start: 7 @51566 has 5 MA's), (9, 51539), (11, 51470),

Gene: Steamy_91 Start: 51725, Stop: 51612, Start Num: 7
Candidate Starts for Steamy_91:
(Start: 7 @51725 has 5 MA's), (9, 51695),

Gene: Terrific_98 Start: 51546, Stop: 51424, Start Num: 6
Candidate Starts for Terrific_98:
(Start: 6 @51546 has 7 MA's), (Start: 7 @51534 has 5 MA's), (9, 51507), (11, 51438),

Gene: Trooper_94 Start: 51019, Stop: 50912, Start Num: 7

Candidate Starts for Trooper_94:
(Start: 7 @51019 has 5 MA's), (8, 50995), (11, 50926),

Gene: Updawg_97 Start: 51572, Stop: 51450, Start Num: 6
Candidate Starts for Updawg_97:
(Start: 6 @51572 has 7 MA's), (Start: 7 @51560 has 5 MA's), (9, 51533), (11, 51464),

Gene: WideWale_97 Start: 51572, Stop: 51450, Start Num: 6
Candidate Starts for WideWale_97:
(Start: 6 @51572 has 7 MA's), (Start: 7 @51560 has 5 MA's), (9, 51533), (11, 51464),