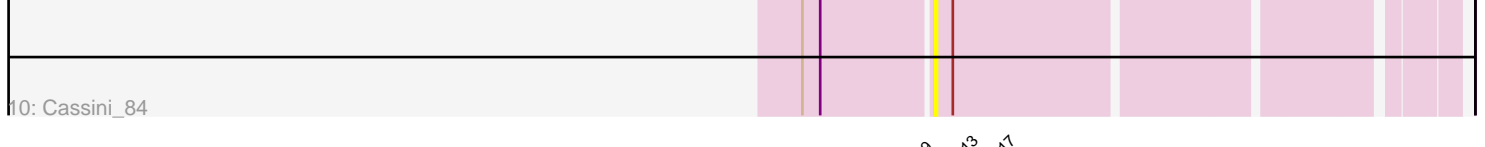
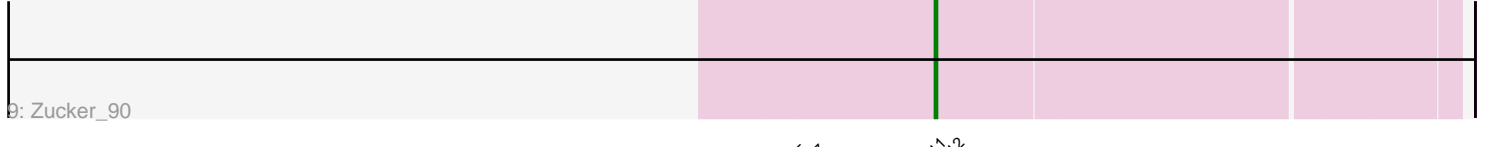
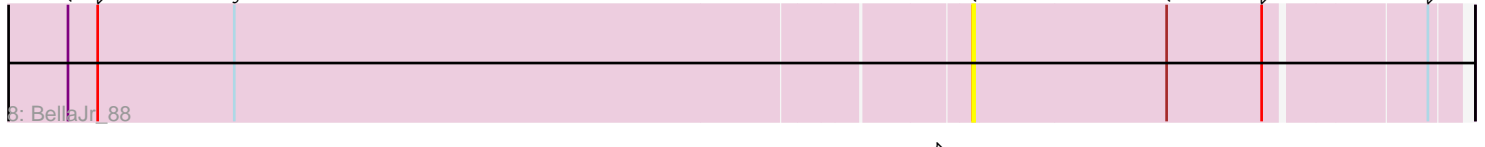
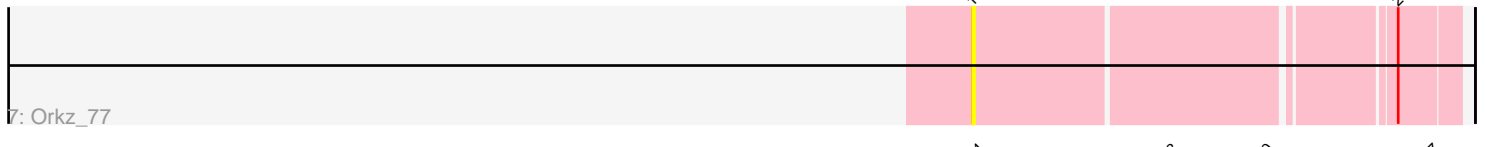
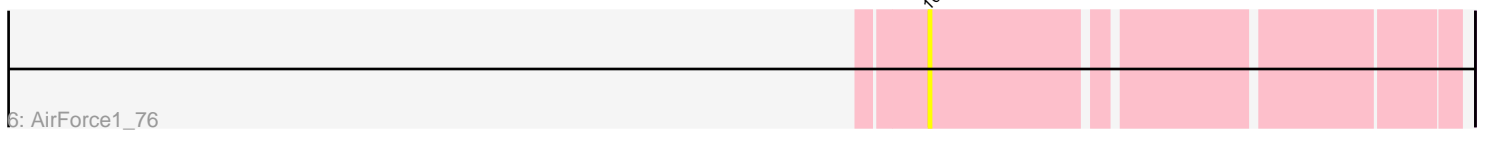
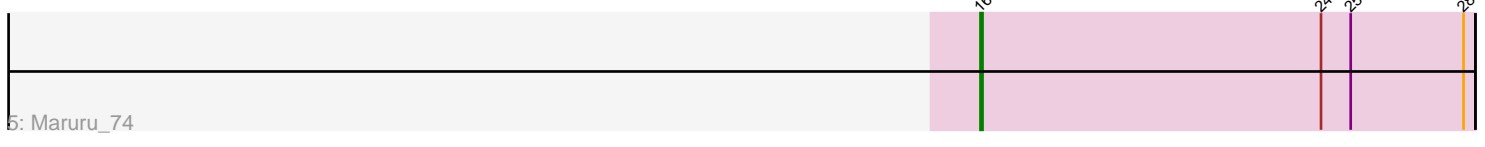
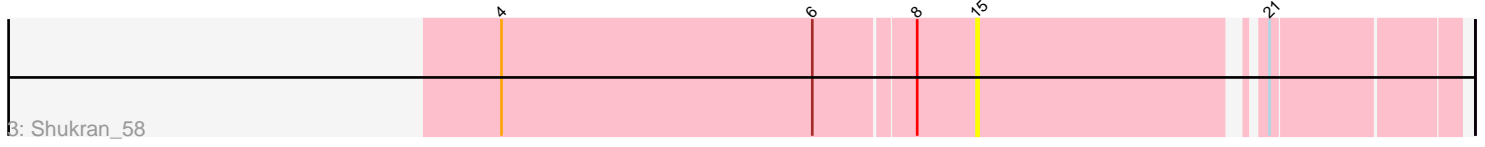
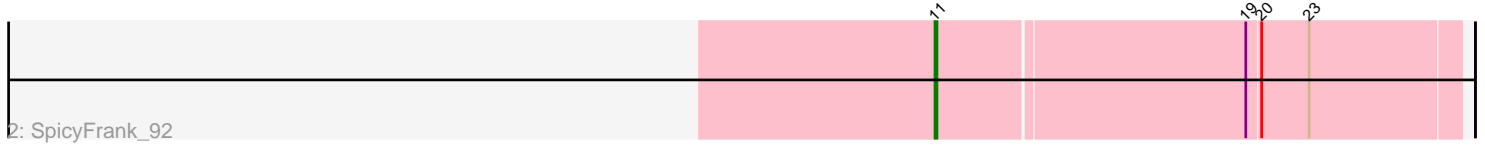
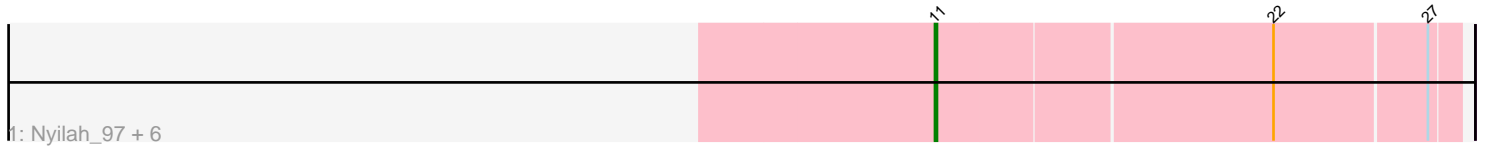


Pham 305366



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 305366 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305366 has 17 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Nyilah_97, Mapleville_83, Gorpy_88, Richie_93, Sakai_87, Seahorse_96, Crescenzo_91
- Track 2 : SpicyFrank_92
- Track 3 : Shukran_58
- Track 4 : BenchScraper_90
- Track 5 : Maruru_74
- Track 6 : AirForce1_76
- Track 7 : Orkz_77
- Track 8 : BellaJr_88
- Track 9 : Zucker_90
- Track 10 : Cassini_84
- Track 11 : Merpity_45

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

The start number called the most often in the published annotations is 11, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BenchScraper_90, Cassini_84, Crescenzo_91, Gorpy_88, Mapleville_83, Nyilah_97, Richie_93, Sakai_87, Seahorse_96, SpicyFrank_92, Zucker_90,

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

-

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

- AirForce1_76, BellaJr_88, Maruru_74, Merpity_45, Orkz_77, Shukran_58,

Summary by start number:

Start 10:

- Found in 1 of 17 (5.9%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present

- Phage (with cluster) where this start called: AirForce1_76 (FL),

Start 11:

- Found in 11 of 17 (64.7%) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BenchScraper_90 (AY), Cassini_84 (FN), Crescenzo_91 (AY), Gorpy_88 (AY), Mapleville_83 (AY), Nyilah_97 (AY), Richie_93 (AY), Sakai_87 (AY), Seahorse_96 (AY), SpicyFrank_92 (AY), Zucker_90 (FN),

Start 13:

- Found in 1 of 17 (5.9%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Merpity_45 (FQ),

Start 14:

- Found in 2 of 17 (11.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BellaJr_88 (FN), Orkz_77 (FL),

Start 15:

- Found in 1 of 17 (5.9%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shukran_58 (AY),

Start 16:

- Found in 1 of 17 (5.9%) 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: Maruru_74 (FG),

Summary by clusters:

There are 5 clusters represented in this pham: AY, FQ, FL, FN, FG,

Info for manual annotations of cluster AY:

- Start number 11 was manually annotated 8 times for cluster AY.

Info for manual annotations of cluster FG:

- Start number 16 was manually annotated 1 time for cluster FG.

Info for manual annotations of cluster FN:

- Start number 11 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: AirForce1_76 Start: 43771, Stop: 44016, Start Num: 10
Candidate Starts for AirForce1_76:
(10, 43771),

Gene: BellaJr_88 Start: 49498, Stop: 49731, Start Num: 14
Candidate Starts for BellaJr_88:
(1, 49054), (2, 49069), (3, 49138), (14, 49498), (18, 49594), (20, 49642), (27, 49717),

Gene: BenchScraper_90 Start: 48171, Stop: 48425, Start Num: 11
Candidate Starts for BenchScraper_90:
(Start: 11 @48171 has 9 MA's), (27, 48411),

Gene: Cassini_84 Start: 48452, Stop: 48691, Start Num: 11
Candidate Starts for Cassini_84:
(5, 48389), (7, 48398), (Start: 11 @48452 has 9 MA's), (12, 48461),

Gene: Crescenzo_91 Start: 51175, Stop: 51429, Start Num: 11
Candidate Starts for Crescenzo_91:
(Start: 11 @51175 has 9 MA's), (22, 51340), (27, 51415),

Gene: Gorpy_88 Start: 50899, Stop: 51153, Start Num: 11
Candidate Starts for Gorpy_88:
(Start: 11 @50899 has 9 MA's), (22, 51064), (27, 51139),

Gene: Mapleville_83 Start: 48385, Stop: 48639, Start Num: 11
Candidate Starts for Mapleville_83:
(Start: 11 @48385 has 9 MA's), (22, 48550), (27, 48625),

Gene: Maruru_74 Start: 47670, Stop: 47918, Start Num: 16
Candidate Starts for Maruru_74:
(Start: 16 @47670 has 1 MA's), (24, 47841), (25, 47856), (28, 47913),

Gene: Merpity_45 Start: 28400, Stop: 28615, Start Num: 13
Candidate Starts for Merpity_45:
(9, 28382), (13, 28400), (17, 28418),

Gene: Nyilah_97 Start: 49853, Stop: 50107, Start Num: 11
Candidate Starts for Nyilah_97:
(Start: 11 @49853 has 9 MA's), (22, 50018), (27, 50093),

Gene: Orkz_77 Start: 42490, Stop: 42714, Start Num: 14
Candidate Starts for Orkz_77:
(14, 42490), (26, 42685),

Gene: Richie_93 Start: 50743, Stop: 50997, Start Num: 11
Candidate Starts for Richie_93:
(Start: 11 @50743 has 9 MA's), (22, 50908), (27, 50983),

Gene: Sakai_87 Start: 49610, Stop: 49864, Start Num: 11
Candidate Starts for Sakai_87:
(Start: 11 @49610 has 9 MA's), (22, 49775), (27, 49850),

Gene: Seahorse_96 Start: 54256, Stop: 54510, Start Num: 11

Candidate Starts for Seahorse_96:

(Start: 11 @54256 has 9 MA's), (22, 54421), (27, 54496),

Gene: Shukran_58 Start: 32719, Stop: 32940, Start Num: 15

Candidate Starts for Shukran_58:

(4, 32485), (6, 32641), (8, 32689), (15, 32719), (21, 32851),

Gene: SpicyFrank_92 Start: 49662, Stop: 49916, Start Num: 11

Candidate Starts for SpicyFrank_92:

(Start: 11 @49662 has 9 MA's), (19, 49812), (20, 49818), (23, 49842),

Gene: Zucker_90 Start: 50853, Stop: 51107, Start Num: 11

Candidate Starts for Zucker_90:

(Start: 11 @50853 has 9 MA's),