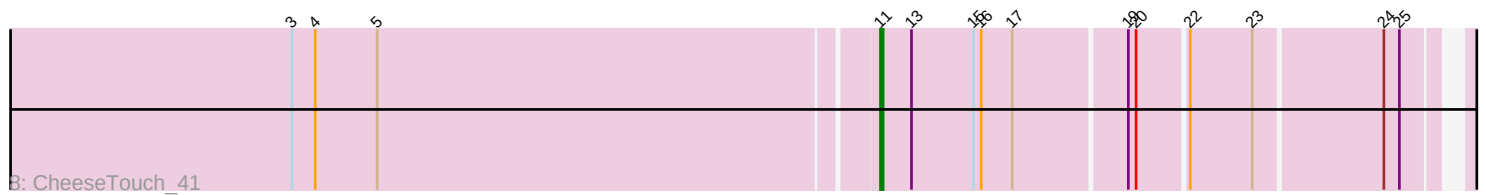
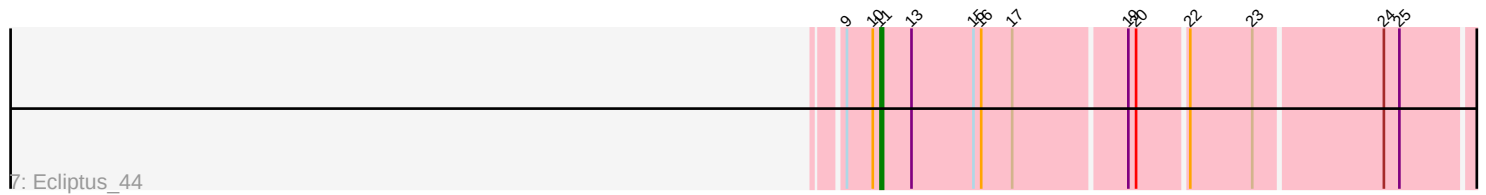
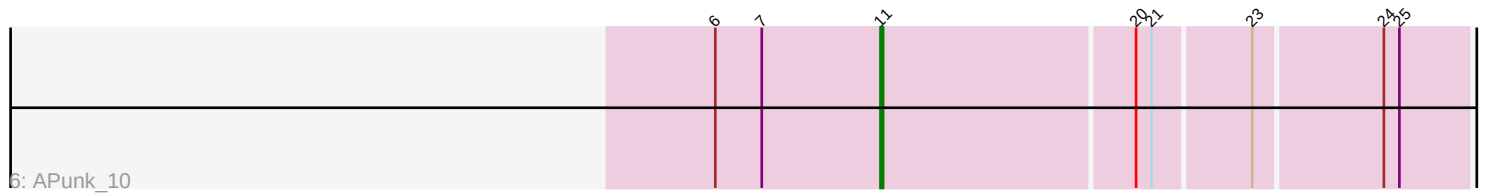
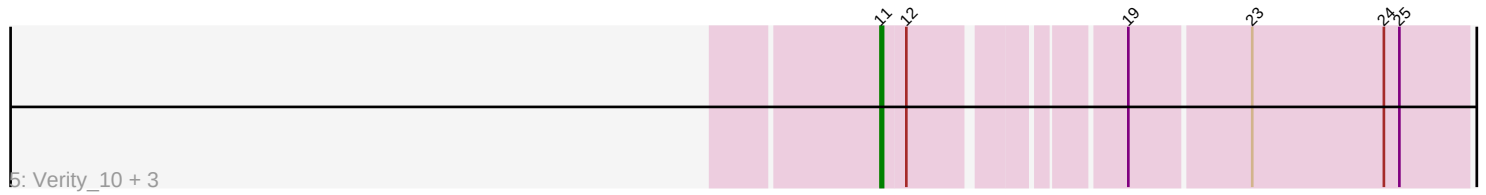
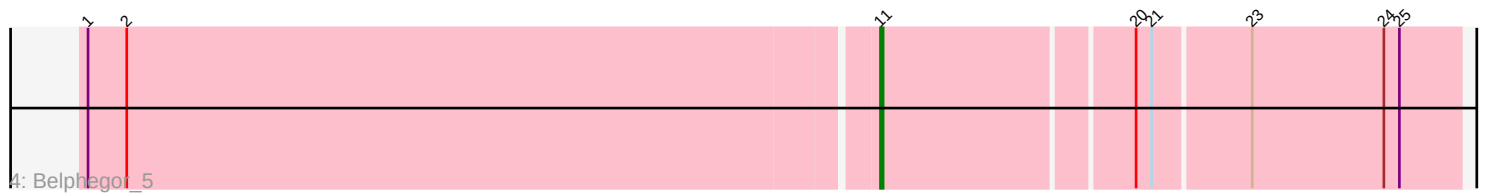
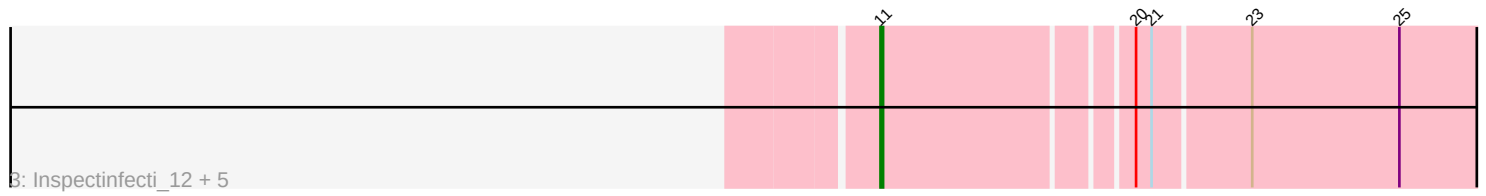
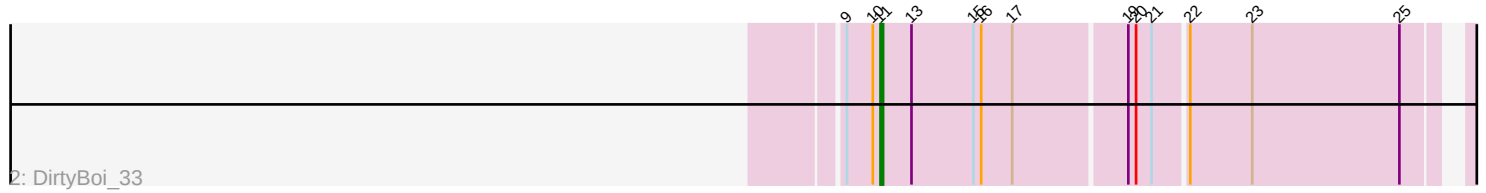
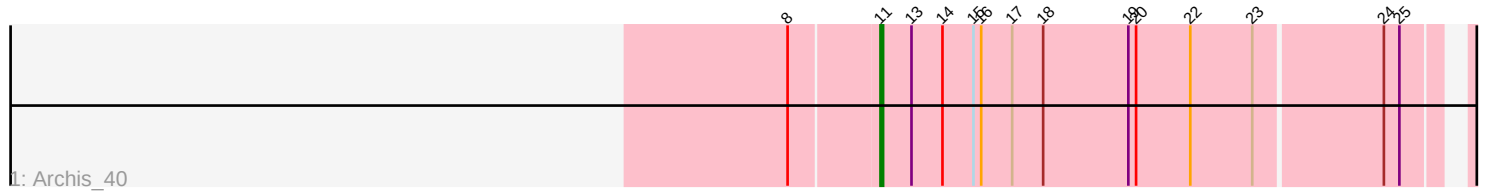


Pham 280993



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 280993 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280993 has 16 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Archis_40
- Track 2 : DirtyBoi_33
- Track 3 : Inspectinfecti_12, Hans_13, Phauci_4, Leonard_11, Phinally_11, Ali17_9
- Track 4 : Belphegor_5
- Track 5 : Verity_10, DoctorFroggo_10, Delrey21_10, Zipp_10
- Track 6 : APunk_10
- Track 7 : Ecliptus_44
- Track 8 : CheeseTouch_41

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 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- APunk_10, Ali17_9, Archis_40, Belphegor_5, CheeseTouch_41, Delrey21_10, DirtyBoi_33, DoctorFroggo_10, Ecliptus_44, Hans_13, Inspectinfecti_12, Leonard_11, Phauci_4, Phinally_11, Verity_10, Zipp_10,

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 11:

- Found in 16 of 16 (100.0%) of genes in pham
- Manual Annotations of this start: 16 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_10 (DE4), Ali17_9 (DE2), Archis_40 (CV), Belphegor_5 (DE2), CheeseTouch_41 (DN1), Delrey21_10 (DE4), DirtyBoi_33 (DB), DoctorFroggo_10 (DE4), Ecliptus_44 (DN), Hans_13 (DE2),

Inspectinfecti_12 (DE2), Leonard_11 (DE2), Phauci_4 (DE2), Phinally_11 (DE2), Verity_10 (DE4), Zipp_10 (DE4),

Summary by clusters:

There are 6 clusters represented in this pham: DN, DE4, DE2, DB, DN1, CV,

Info for manual annotations of cluster CV:

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

Info for manual annotations of cluster DB:

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

Info for manual annotations of cluster DE2:

- Start number 11 was manually annotated 7 times for cluster DE2.

Info for manual annotations of cluster DE4:

- Start number 11 was manually annotated 5 times for cluster DE4.

Info for manual annotations of cluster DN:

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

Info for manual annotations of cluster DN1:

- Start number 11 was manually annotated 1 time for cluster DN1.

Gene Information:

Gene: APunk_10 Start: 5832, Stop: 6140, Start Num: 11

Candidate Starts for APunk_10:

(6, 5769), (7, 5787), (Start: 11 @5832 has 16 MA's), (20, 5928), (21, 5934), (23, 5970), (24, 6018), (25, 6024),

Gene: Ali17_9 Start: 5663, Stop: 5983, Start Num: 11

Candidate Starts for Ali17_9:

(Start: 11 @5663 has 16 MA's), (20, 5753), (21, 5759), (23, 5795), (25, 5852),

Gene: Archis_40 Start: 30536, Stop: 30222, Start Num: 11

Candidate Starts for Archis_40:

(8, 30569), (Start: 11 @30536 has 16 MA's), (13, 30524), (14, 30512), (15, 30500), (16, 30497), (17, 30485), (18, 30473), (19, 30440), (20, 30437), (22, 30416), (23, 30392), (24, 30344), (25, 30338),

Gene: Belphegor_5 Start: 2778, Stop: 3092, Start Num: 11

Candidate Starts for Belphegor_5:

(1, 2478), (2, 2493), (Start: 11 @2778 has 16 MA's), (20, 2871), (21, 2877), (23, 2913), (24, 2964), (25, 2970),

Gene: CheeseTouch_41 Start: 28097, Stop: 27792, Start Num: 11

Candidate Starts for CheeseTouch_41:

(3, 28319), (4, 28310), (5, 28286), (Start: 11 @28097 has 16 MA's), (13, 28085), (15, 28061), (16, 28058), (17, 28046), (19, 28004), (20, 28001), (22, 27983), (23, 27959), (24, 27911), (25, 27905),

Gene: Delrey21_10 Start: 5803, Stop: 6096, Start Num: 11

Candidate Starts for Delrey21_10:

(Start: 11 @5803 has 16 MA's), (12, 5812), (19, 5884), (23, 5929), (24, 5980), (25, 5986),

Gene: DirtyBoi_33 Start: 28465, Stop: 28172, Start Num: 11

Candidate Starts for DirtyBoi_33:

(9, 28477), (10, 28468), (Start: 11 @28465 has 16 MA's), (13, 28453), (15, 28429), (16, 28426), (17, 28414), (19, 28372), (20, 28369), (21, 28363), (22, 28351), (23, 28327), (25, 28270),

Gene: DoctorFroggo_10 Start: 5803, Stop: 6096, Start Num: 11

Candidate Starts for DoctorFroggo_10:

(Start: 11 @5803 has 16 MA's), (12, 5812), (19, 5884), (23, 5929), (24, 5980), (25, 5986),

Gene: Ecliptus_44 Start: 32044, Stop: 31706, Start Num: 11

Candidate Starts for Ecliptus_44:

(9, 32056), (10, 32047), (Start: 11 @32044 has 16 MA's), (13, 32032), (15, 32008), (16, 32005), (17, 31993), (19, 31951), (20, 31948), (22, 31930), (23, 31906), (24, 31858), (25, 31852),

Gene: Hans_13 Start: 6198, Stop: 6524, Start Num: 11

Candidate Starts for Hans_13:

(Start: 11 @6198 has 16 MA's), (20, 6291), (21, 6297), (23, 6333), (25, 6390),

Gene: Inspectinfecti_12 Start: 6720, Stop: 7040, Start Num: 11

Candidate Starts for Inspectinfecti_12:

(Start: 11 @6720 has 16 MA's), (20, 6810), (21, 6816), (23, 6852), (25, 6909),

Gene: Leonard_11 Start: 6315, Stop: 6635, Start Num: 11

Candidate Starts for Leonard_11:

(Start: 11 @6315 has 16 MA's), (20, 6405), (21, 6411), (23, 6447), (25, 6504),

Gene: Phauci_4 Start: 2839, Stop: 3165, Start Num: 11

Candidate Starts for Phauci_4:

(Start: 11 @2839 has 16 MA's), (20, 2932), (21, 2938), (23, 2974), (25, 3031),

Gene: Phinally_11 Start: 6312, Stop: 6632, Start Num: 11

Candidate Starts for Phinally_11:

(Start: 11 @6312 has 16 MA's), (20, 6402), (21, 6408), (23, 6444), (25, 6501),

Gene: Verity_10 Start: 5803, Stop: 6096, Start Num: 11

Candidate Starts for Verity_10:

(Start: 11 @5803 has 16 MA's), (12, 5812), (19, 5884), (23, 5929), (24, 5980), (25, 5986),

Gene: Zipp_10 Start: 5948, Stop: 6241, Start Num: 11

Candidate Starts for Zipp_10:

(Start: 11 @5948 has 16 MA's), (12, 5957), (19, 6029), (23, 6074), (24, 6125), (25, 6131),