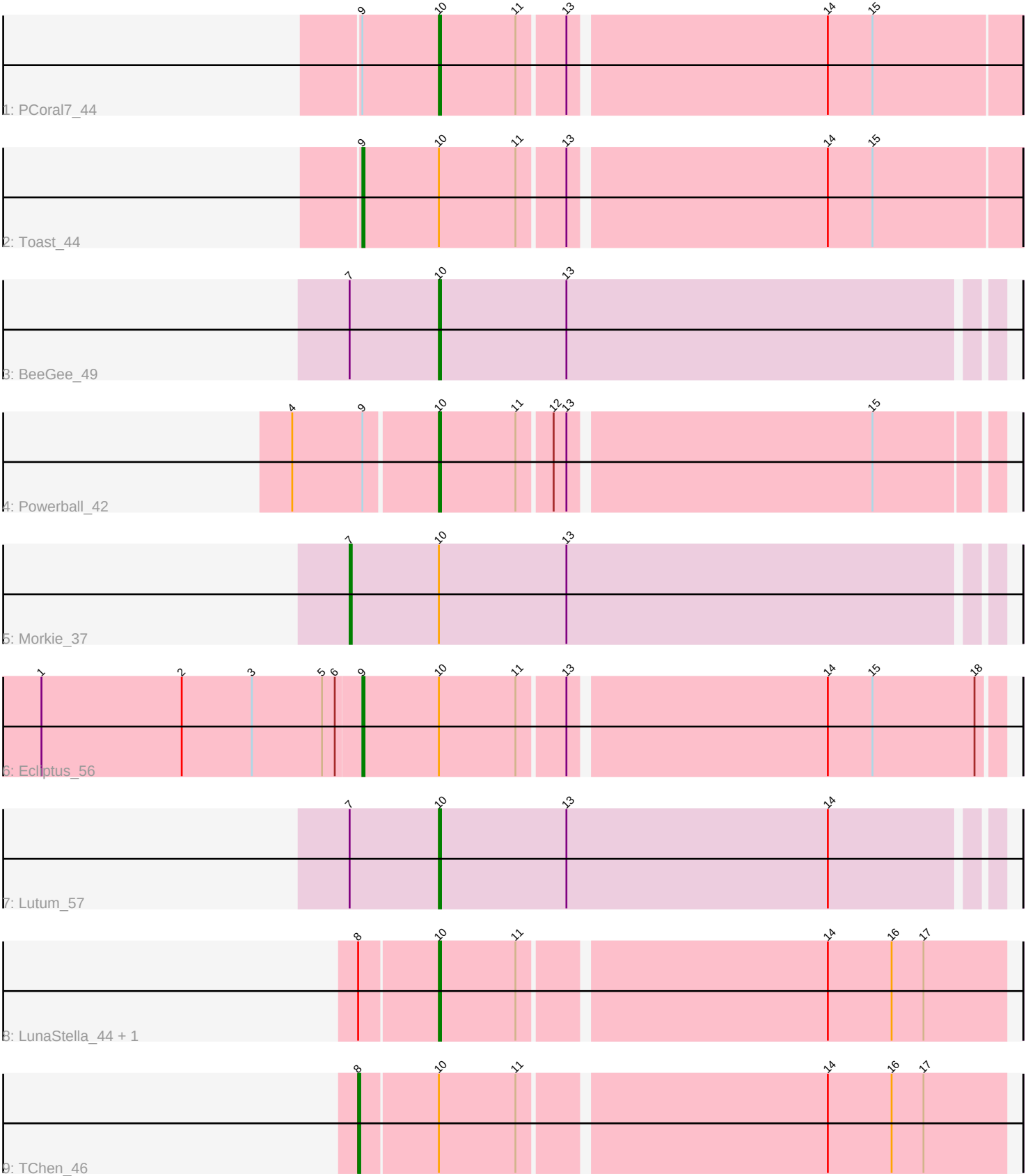


Pham 331480



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 331480 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331480 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : PCoral7_44
- Track 2 : Toast_44
- Track 3 : BeeGee_49
- Track 4 : Powerball_42
- Track 5 : Morkie_37
- Track 6 : Ecliptus_56
- Track 7 : Lutum_57
- Track 8 : LunaStella_44, MooMoo_43
- Track 9 : TChen_46

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

The start number called the most often in the published annotations is 10, it was called in 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BeeGee_49, LunaStella_44, Lutum_57, MooMoo_43, PCoral7_44, Powerball_42,

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

- Ecliptus_56, Morkie_37, TChen_46, Toast_44,

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

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Summary by start number:

Start 7:

- Found in 3 of 10 (30.0%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Morkie_37 (DH),

Start 8:

- Found in 3 of 10 (30.0%) of genes in pham

- Manual Annotations of this start: 1 of 10
- Called 33.3% of time when present
- Phage (with cluster) where this start called: TChen_46 (F4),

Start 9:

- Found in 4 of 10 (40.0%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Ecliptus_56 (DN), Toast_44 (CV),

Start 10:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 10
- Called 60.0% of time when present
- Phage (with cluster) where this start called: BeeGee_49 (CY5), LunaStella_44 (F4), Lutum_57 (DN1), MooMoo_43 (singleton), PCoral7_44 (CV), Powerball_42 (CZ4),

Summary by clusters:

There are 8 clusters represented in this pham: DN, singleton, F4, CY5, DH, CZ4, DN1, CV,

Info for manual annotations of cluster CV:

- Start number 9 was manually annotated 1 time for cluster CV.
- Start number 10 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CY5:

- Start number 10 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CZ4:

- Start number 10 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster DH:

- Start number 7 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DN:

- Start number 9 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 10 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster F4:

- Start number 8 was manually annotated 1 time for cluster F4.
- Start number 10 was manually annotated 1 time for cluster F4.

Gene Information:

Gene: BeeGee_49 Start: 36014, Stop: 36271, Start Num: 10

Candidate Starts for BeeGee_49:

(Start: 7 @35972 has 1 MA's), (Start: 10 @36014 has 6 MA's), (13, 36074),

Gene: Ecliptus_56 Start: 37774, Stop: 38064, Start Num: 9

Candidate Starts for Ecliptus_56:

(1, 37624), (2, 37690), (3, 37723), (5, 37756), (6, 37762), (Start: 9 @37774 has 2 MA's), (Start: 10 @37810 has 6 MA's), (11, 37846), (13, 37867), (14, 37984), (15, 38005), (18, 38053),

Gene: LunaStella_44 Start: 33802, Stop: 34059, Start Num: 10

Candidate Starts for LunaStella_44:

(Start: 8 @33766 has 1 MA's), (Start: 10 @33802 has 6 MA's), (11, 33838), (14, 33976), (16, 34006), (17, 34021),

Gene: Lutum_57 Start: 36995, Stop: 37252, Start Num: 10

Candidate Starts for Lutum_57:

(Start: 7 @36953 has 1 MA's), (Start: 10 @36995 has 6 MA's), (13, 37055), (14, 37178),

Gene: MooMoo_43 Start: 34078, Stop: 34335, Start Num: 10

Candidate Starts for MooMoo_43:

(Start: 8 @34042 has 1 MA's), (Start: 10 @34078 has 6 MA's), (11, 34114), (14, 34252), (16, 34282), (17, 34297),

Gene: Morkie_37 Start: 28817, Stop: 29116, Start Num: 7

Candidate Starts for Morkie_37:

(Start: 7 @28817 has 1 MA's), (Start: 10 @28859 has 6 MA's), (13, 28919),

Gene: PCoral7_44 Start: 34911, Stop: 35174, Start Num: 10

Candidate Starts for PCoral7_44:

(Start: 9 @34875 has 2 MA's), (Start: 10 @34911 has 6 MA's), (11, 34947), (13, 34968), (14, 35085), (15, 35106),

Gene: Powerball_42 Start: 33050, Stop: 33301, Start Num: 10

Candidate Starts for Powerball_42:

(4, 32984), (Start: 9 @33017 has 2 MA's), (Start: 10 @33050 has 6 MA's), (11, 33086), (12, 33101), (13, 33107), (15, 33245),

Gene: TChen_46 Start: 35717, Stop: 36010, Start Num: 8

Candidate Starts for TChen_46:

(Start: 8 @35717 has 1 MA's), (Start: 10 @35753 has 6 MA's), (11, 35789), (14, 35927), (16, 35957), (17, 35972),

Gene: Toast_44 Start: 34875, Stop: 35174, Start Num: 9

Candidate Starts for Toast_44:

(Start: 9 @34875 has 2 MA's), (Start: 10 @34911 has 6 MA's), (11, 34947), (13, 34968), (14, 35085), (15, 35106),