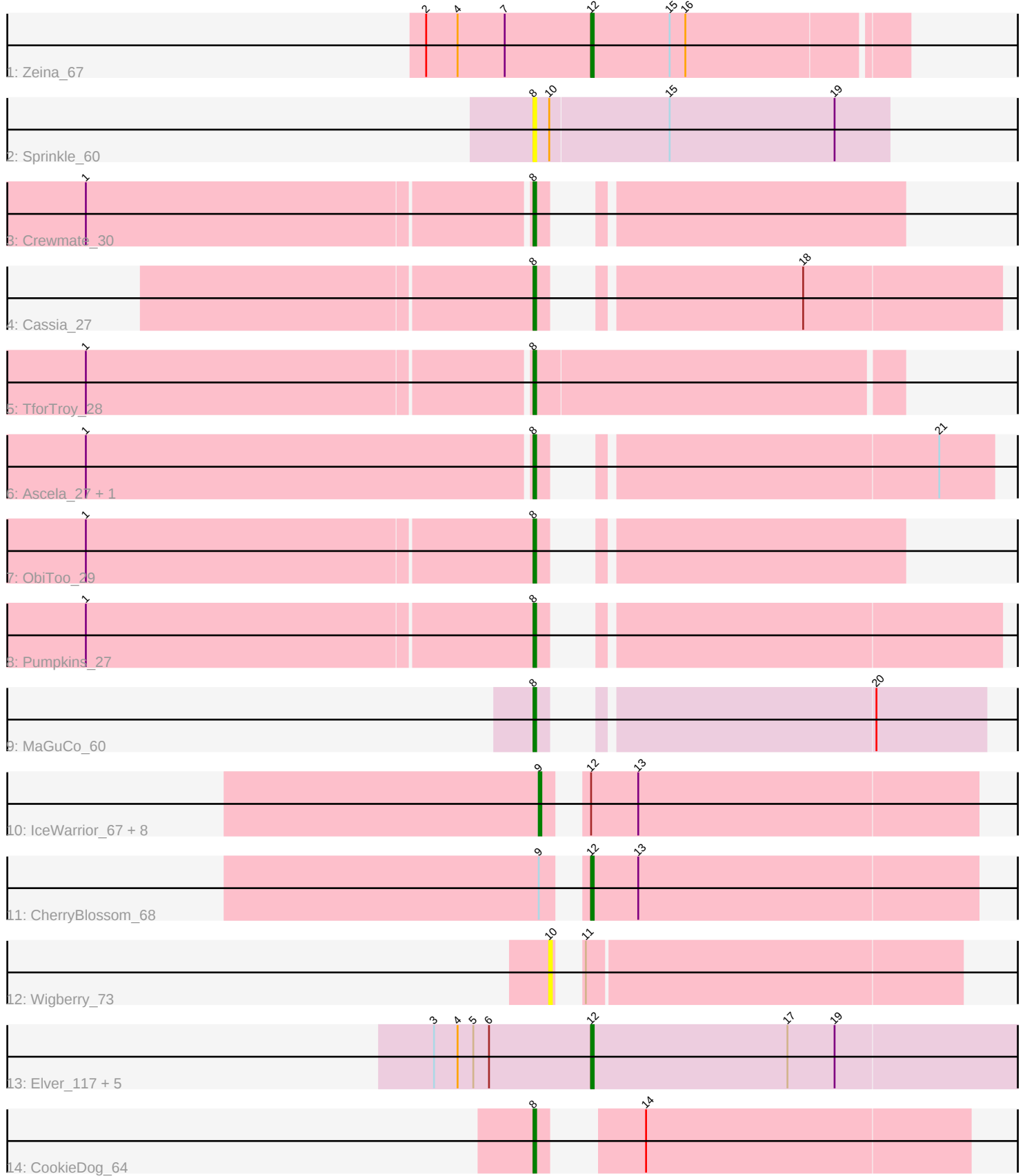


Pham 276452



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 276452 Report

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

Pham number 276452 has 28 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Zeina_67
- Track 2 : Sprinkle_60
- Track 3 : Crewmate_30
- Track 4 : Cassia_27
- Track 5 : TforTroy_28
- Track 6 : Ascela_27, Iter_27
- Track 7 : ObiToo_29
- Track 8 : Pumpkins_27
- Track 9 : MaGuCo_60
- Track 10 : IceWarrior_67, FidgetOrca_70, Namo_69, Hoshi_69, TonyStarch_67, Meibysrarus_66, Jaylociraptor_68, Indigenous_70, Maya_68
- Track 11 : CherryBlossom_68
- Track 12 : Wigberry_73
- Track 13 : Elver_117, Paella_117, Kureo_115, Gandionco_114, Marianna39_115, JeNeSaisPas_112
- Track 14 : CookieDog_64

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

The start number called the most often in the published annotations is 8, it was called in 9 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ascela_27, Cassia_27, CookieDog_64, Crewmate_30, Iter_27, MaGuCo_60, ObiToo_29, Pumpkins_27, Sprinkle_60, TforTroy_28,

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

-

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

- CherryBlossom_68, Elver_117, FidgetOrca_70, Gandionco_114, Hoshi_69, IceWarrior_67, Indigenous_70, Jaylociraptor_68, JeNeSaisPas_112, Kureo_115, Marianna39_115, Maya_68, Meibysrarus_66, Namo_69, Paella_117, TonyStarch_67, Wigberry_73, Zeina_67,

Summary by start number:

Start 8:

- Found in 10 of 28 (35.7%) of genes in pham
- Manual Annotations of this start: 9 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ascela_27 (AZ1), Cassia_27 (AZ1), CookieDog_64 (GA), Crewmate_30 (AZ1), Iter_27 (AZ1), MaGuCo_60 (AZ2), ObiToo_29 (AZ1), Pumpkins_27 (AZ1), Sprinkle_60 (AW), TforTroy_28 (AZ1),

Start 9:

- Found in 10 of 28 (35.7%) of genes in pham
- Manual Annotations of this start: 9 of 22
- Called 90.0% of time when present
- Phage (with cluster) where this start called: FidgetOrca_70 (BI1), Hoshi_69 (BI1), IceWarrior_67 (BI1), Indigenous_70 (BI1), Jaylociraptor_68 (BI1), Maya_68 (BI1), Meibysrarus_66 (BI1), Namu_69 (BI1), TonyStarch_67 (BI1),

Start 10:

- Found in 2 of 28 (7.1%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Wigberry_73 (BI1),

Start 12:

- Found in 17 of 28 (60.7%) of genes in pham
- Manual Annotations of this start: 4 of 22
- Called 47.1% of time when present
- Phage (with cluster) where this start called: CherryBlossom_68 (BI1), Elver_117 (FK), Gandionco_114 (FK), JeNeSaisPas_112 (FK), Kureo_115 (FK), Marianna39_115 (FK), Paella_117 (FK), Zeina_67 (AU6),

Summary by clusters:

There are 7 clusters represented in this pham: GA, AW, AU6, AZ1, AZ2, FK, BI1,

Info for manual annotations of cluster AU6:

- Start number 12 was manually annotated 1 time for cluster AU6.

Info for manual annotations of cluster AZ1:

- Start number 8 was manually annotated 7 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 8 was manually annotated 1 time for cluster AZ2.

Info for manual annotations of cluster BI1:

- Start number 9 was manually annotated 9 times for cluster BI1.
- Start number 12 was manually annotated 1 time for cluster BI1.

Info for manual annotations of cluster FK:

- Start number 12 was manually annotated 2 times for cluster FK.

Info for manual annotations of cluster GA:

•Start number 8 was manually annotated 1 time for cluster GA.

Gene Information:

Gene: Ascela_27 Start: 22290, Stop: 22442, Start Num: 8

Candidate Starts for Ascela_27:

(1, 22122), (Start: 8 @22290 has 9 MA's), (21, 22422),

Gene: Cassia_27 Start: 22739, Stop: 22894, Start Num: 8

Candidate Starts for Cassia_27:

(Start: 8 @22739 has 9 MA's), (18, 22820),

Gene: CherryBlossom_68 Start: 43842, Stop: 43988, Start Num: 12

Candidate Starts for CherryBlossom_68:

(Start: 9 @43833 has 9 MA's), (Start: 12 @43842 has 4 MA's), (13, 43860),

Gene: CookieDog_64 Start: 37869, Stop: 38015, Start Num: 8

Candidate Starts for CookieDog_64:

(Start: 8 @37869 has 9 MA's), (14, 37893),

Gene: Crewmate_30 Start: 23033, Stop: 23152, Start Num: 8

Candidate Starts for Crewmate_30:

(1, 22868), (Start: 8 @23033 has 9 MA's),

Gene: Elver_117 Start: 65001, Stop: 65186, Start Num: 12

Candidate Starts for Elver_117:

(3, 64941), (4, 64950), (5, 64956), (6, 64962), (Start: 12 @65001 has 4 MA's), (17, 65076), (19, 65094),

Gene: FidgetOrca_70 Start: 44369, Stop: 44524, Start Num: 9

Candidate Starts for FidgetOrca_70:

(Start: 9 @44369 has 9 MA's), (Start: 12 @44378 has 4 MA's), (13, 44396),

Gene: Gandionco_114 Start: 63813, Stop: 63998, Start Num: 12

Candidate Starts for Gandionco_114:

(3, 63753), (4, 63762), (5, 63768), (6, 63774), (Start: 12 @63813 has 4 MA's), (17, 63888), (19, 63906),

Gene: Hoshi_69 Start: 43976, Stop: 44131, Start Num: 9

Candidate Starts for Hoshi_69:

(Start: 9 @43976 has 9 MA's), (Start: 12 @43985 has 4 MA's), (13, 44003),

Gene: IceWarrior_67 Start: 43652, Stop: 43807, Start Num: 9

Candidate Starts for IceWarrior_67:

(Start: 9 @43652 has 9 MA's), (Start: 12 @43661 has 4 MA's), (13, 43679),

Gene: Indigenous_70 Start: 44373, Stop: 44528, Start Num: 9

Candidate Starts for Indigenous_70:

(Start: 9 @44373 has 9 MA's), (Start: 12 @44382 has 4 MA's), (13, 44400),

Gene: Iter_27 Start: 22290, Stop: 22442, Start Num: 8

Candidate Starts for Iter_27:

(1, 22122), (Start: 8 @22290 has 9 MA's), (21, 22422),

Gene: Jaylociraptor_68 Start: 43969, Stop: 44124, Start Num: 9

Candidate Starts for Jaylociraptor_68:

(Start: 9 @43969 has 9 MA's), (Start: 12 @43978 has 4 MA's), (13, 43996),

Gene: JeNeSaisPas_112 Start: 64419, Stop: 64604, Start Num: 12

Candidate Starts for JeNeSaisPas_112:

(3, 64359), (4, 64368), (5, 64374), (6, 64380), (Start: 12 @64419 has 4 MA's), (17, 64494), (19, 64512),

Gene: Kureo_115 Start: 64009, Stop: 64194, Start Num: 12

Candidate Starts for Kureo_115:

(3, 63949), (4, 63958), (5, 63964), (6, 63970), (Start: 12 @64009 has 4 MA's), (17, 64084), (19, 64102),

Gene: MaGuCo_60 Start: 42542, Stop: 42691, Start Num: 8

Candidate Starts for MaGuCo_60:

(Start: 8 @42542 has 9 MA's), (20, 42650),

Gene: Marianna39_115 Start: 64424, Stop: 64609, Start Num: 12

Candidate Starts for Marianna39_115:

(3, 64364), (4, 64373), (5, 64379), (6, 64385), (Start: 12 @64424 has 4 MA's), (17, 64499), (19, 64517),

Gene: Maya_68 Start: 43983, Stop: 44138, Start Num: 9

Candidate Starts for Maya_68:

(Start: 9 @43983 has 9 MA's), (Start: 12 @43992 has 4 MA's), (13, 44010),

Gene: Meibysrarus_66 Start: 43346, Stop: 43501, Start Num: 9

Candidate Starts for Meibysrarus_66:

(Start: 9 @43346 has 9 MA's), (Start: 12 @43355 has 4 MA's), (13, 43373),

Gene: Namo_69 Start: 44320, Stop: 44475, Start Num: 9

Candidate Starts for Namo_69:

(Start: 9 @44320 has 9 MA's), (Start: 12 @44329 has 4 MA's), (13, 44347),

Gene: ObiToo_29 Start: 22773, Stop: 22892, Start Num: 8

Candidate Starts for ObiToo_29:

(1, 22605), (Start: 8 @22773 has 9 MA's),

Gene: Paella_117 Start: 65589, Stop: 65774, Start Num: 12

Candidate Starts for Paella_117:

(3, 65529), (4, 65538), (5, 65544), (6, 65550), (Start: 12 @65589 has 4 MA's), (17, 65664), (19, 65682),

Gene: Pumpkins_27 Start: 23159, Stop: 23314, Start Num: 8

Candidate Starts for Pumpkins_27:

(1, 22991), (Start: 8 @23159 has 9 MA's),

Gene: Sprinkle_60 Start: 41394, Stop: 41528, Start Num: 8

Candidate Starts for Sprinkle_60:

(Start: 8 @41394 has 9 MA's), (10, 41400), (15, 41445), (19, 41508),

Gene: TforTroy_28 Start: 23051, Stop: 23188, Start Num: 8

Candidate Starts for TforTroy_28:

(1, 22886), (Start: 8 @23051 has 9 MA's),

Gene: TonyStarch_67 Start: 43718, Stop: 43873, Start Num: 9

Candidate Starts for TonyStarch_67:

(Start: 9 @43718 has 9 MA's), (Start: 12 @43727 has 4 MA's), (13, 43745),

Gene: Wigberry_73 Start: 44495, Stop: 44638, Start Num: 10

Candidate Starts for Wigberry_73:

(10, 44495), (11, 44498),

Gene: Zeina_67 Start: 42828, Stop: 42944, Start Num: 12

Candidate Starts for Zeina_67:

(2, 42765), (4, 42777), (7, 42795), (Start: 12 @42828 has 4 MA's), (15, 42858), (16, 42864),