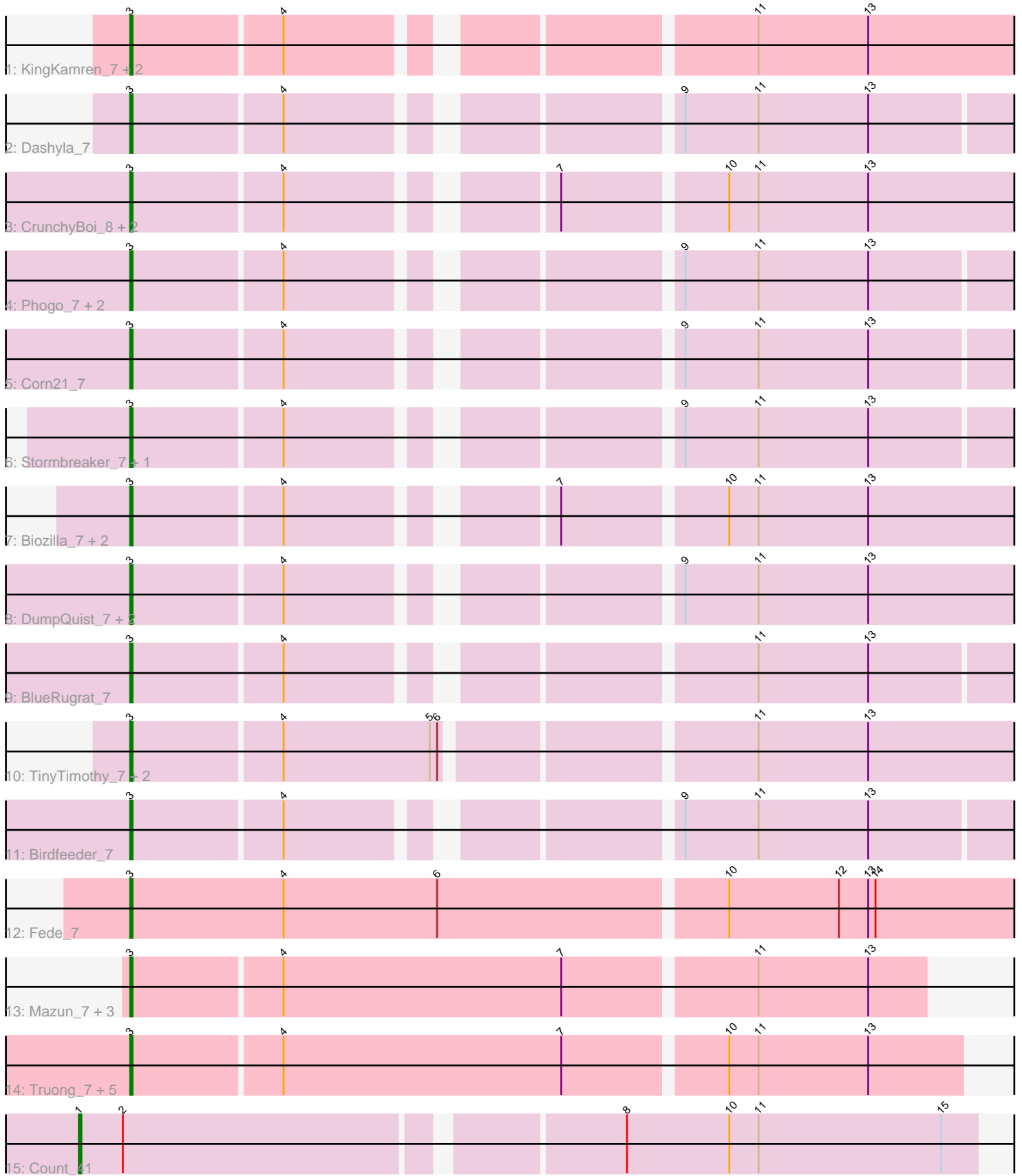


Pham 196687



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 196687 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196687 has 36 members, 2 are drafts.

Phages represented in each track:

- Track 1 : KingKamren\_7, EugeneKrabs\_7, Zhengyi\_7
- Track 2 : Dashyla\_7
- Track 3 : CrunchyBoi\_8, Pabst\_7, PineapplePluto\_8
- Track 4 : Phogo\_7, Unphazed\_7, Xitlalli\_7
- Track 5 : Corn21\_7
- Track 6 : Stormbreaker\_7, ArMaWen\_7
- Track 7 : Biozilla\_7, Oatly\_7, HitchHiker\_8
- Track 8 : DumpQuist\_7, LilyLou\_7, LesNorah\_7
- Track 9 : BlueRugrat\_7
- Track 10 : TinyTimothy\_7, YellowPanda\_7, Wesak\_7
- Track 11 : Birdfeeder\_7
- Track 12 : Fede\_7
- Track 13 : Mazun\_7, Phracted\_7, Pharky\_7, Phedro\_7
- Track 14 : Truong\_7, JordanFarm\_7, Barroma\_7, AloeVera\_7, Akoni\_7, Ashton\_7
- Track 15 : Count\_41

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

The start number called the most often in the published annotations is 3, it was called in 33 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akoni\_7, AloeVera\_7, ArMaWen\_7, Ashton\_7, Barroma\_7, Biozilla\_7, Birdfeeder\_7, BlueRugrat\_7, Corn21\_7, CrunchyBoi\_8, Dashyla\_7, DumpQuist\_7, EugeneKrabs\_7, Fede\_7, HitchHiker\_8, JordanFarm\_7, KingKamren\_7, LesNorah\_7, LilyLou\_7, Mazun\_7, Oatly\_7, Pabst\_7, Pharky\_7, Phedro\_7, Phogo\_7, Phracted\_7, PineapplePluto\_8, Stormbreaker\_7, TinyTimothy\_7, Truong\_7, Unphazed\_7, Wesak\_7, Xitlalli\_7, YellowPanda\_7, Zhengyi\_7,

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

- 

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

- Count\_41,

## Summary by start number:

### Start 1:

- Found in 1 of 36 ( 2.8% ) of genes in pham
- Manual Annotations of this start: 1 of 34
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Count\_41 (EL),

### Start 3:

- Found in 35 of 36 ( 97.2% ) of genes in pham
- Manual Annotations of this start: 33 of 34
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Akoni\_7 (EK2), AloeVera\_7 (EK2), ArMaWen\_7 (EK1), Ashton\_7 (EK2), Barroma\_7 (EK2), Biozilla\_7 (EK1), Birdfeeder\_7 (EK1), BlueRugrat\_7 (EK1), Corn21\_7 (EK1), CrunchyBoi\_8 (EK1), Dashyla\_7 (EK1), DumpQuist\_7 (EK1), EugeneKrabs\_7 (EK), Fede\_7 (EK2), HitchHiker\_8 (EK1), JordanFarm\_7 (EK2), KingKamren\_7 (EK), LesNorah\_7 (EK1), LilyLou\_7 (EK1), Mazun\_7 (EK2), Oatly\_7 (EK1), Pabst\_7 (EK1), Pharky\_7 (EK2), Phedro\_7 (EK2), Phogo\_7 (EK1), Phracted\_7 (EK2), PineapplePluto\_8 (EK1), Stormbreaker\_7 (EK1), TinyTimothy\_7 (EK1), Truong\_7 (EK2), Unphazed\_7 (EK1), Wesak\_7 (EK1), Xitlalli\_7 (EK1), YellowPanda\_7 (EK1), Zhengyi\_7 (EK),

## Summary by clusters:

There are 4 clusters represented in this pham: EL, EK1, EK2, EK,

Info for manual annotations of cluster EK:

- Start number 3 was manually annotated 3 times for cluster EK.

Info for manual annotations of cluster EK1:

- Start number 3 was manually annotated 19 times for cluster EK1.

Info for manual annotations of cluster EK2:

- Start number 3 was manually annotated 11 times for cluster EK2.

Info for manual annotations of cluster EL:

- Start number 1 was manually annotated 1 time for cluster EL.

## Gene Information:

Gene: Akoni\_7 Start: 5255, Stop: 4923, Start Num: 3

Candidate Starts for Akoni\_7:

(Start: 3 @5255 has 33 MA's), (4, 5195), (7, 5081), (10, 5018), (11, 5006), (13, 4961),

Gene: AloeVera\_7 Start: 5255, Stop: 4923, Start Num: 3

Candidate Starts for AloeVera\_7:

(Start: 3 @5255 has 33 MA's), (4, 5195), (7, 5081), (10, 5018), (11, 5006), (13, 4961),

Gene: ArMaWen\_7 Start: 5522, Stop: 5190, Start Num: 3

Candidate Starts for ArMaWen\_7:

(Start: 3 @5522 has 33 MA's), (4, 5462), (9, 5324), (11, 5294), (13, 5249),

Gene: Ashton\_7 Start: 5259, Stop: 4927, Start Num: 3

Candidate Starts for Ashton\_7:

(Start: 3 @5259 has 33 MA's), (4, 5199), (7, 5085), (10, 5022), (11, 5010), (13, 4965),

Gene: Barroma\_7 Start: 5255, Stop: 4923, Start Num: 3

Candidate Starts for Barroma\_7:

(Start: 3 @5255 has 33 MA's), (4, 5195), (7, 5081), (10, 5018), (11, 5006), (13, 4961),

Gene: Biozilla\_7 Start: 5476, Stop: 5144, Start Num: 3

Candidate Starts for Biozilla\_7:

(Start: 3 @5476 has 33 MA's), (4, 5416), (7, 5323), (10, 5260), (11, 5248), (13, 5203),

Gene: Birdfeeder\_7 Start: 5534, Stop: 5205, Start Num: 3

Candidate Starts for Birdfeeder\_7:

(Start: 3 @5534 has 33 MA's), (4, 5474), (9, 5336), (11, 5306), (13, 5261),

Gene: BlueRugrat\_7 Start: 5531, Stop: 5202, Start Num: 3

Candidate Starts for BlueRugrat\_7:

(Start: 3 @5531 has 33 MA's), (4, 5471), (11, 5303), (13, 5258),

Gene: Corn21\_7 Start: 5550, Stop: 5221, Start Num: 3

Candidate Starts for Corn21\_7:

(Start: 3 @5550 has 33 MA's), (4, 5490), (9, 5352), (11, 5322), (13, 5277),

Gene: Count\_41 Start: 32857, Stop: 33210, Start Num: 1

Candidate Starts for Count\_41:

(Start: 1 @32857 has 1 MA's), (2, 32875), (8, 33067), (10, 33109), (11, 33121), (15, 33196),

Gene: CrunchyBoi\_8 Start: 5611, Stop: 5279, Start Num: 3

Candidate Starts for CrunchyBoi\_8:

(Start: 3 @5611 has 33 MA's), (4, 5551), (7, 5458), (10, 5395), (11, 5383), (13, 5338),

Gene: Dashyla\_7 Start: 5531, Stop: 5202, Start Num: 3

Candidate Starts for Dashyla\_7:

(Start: 3 @5531 has 33 MA's), (4, 5471), (9, 5333), (11, 5303), (13, 5258),

Gene: DumpQuist\_7 Start: 5525, Stop: 5193, Start Num: 3

Candidate Starts for DumpQuist\_7:

(Start: 3 @5525 has 33 MA's), (4, 5465), (9, 5327), (11, 5297), (13, 5252),

Gene: EugeneKrabs\_7 Start: 5287, Stop: 4955, Start Num: 3

Candidate Starts for EugeneKrabs\_7:

(Start: 3 @5287 has 33 MA's), (4, 5227), (11, 5059), (13, 5014),

Gene: Fede\_7 Start: 5514, Stop: 5119, Start Num: 3

Candidate Starts for Fede\_7:

(Start: 3 @5514 has 33 MA's), (4, 5451), (6, 5388), (10, 5274), (12, 5229), (13, 5217), (14, 5214),

Gene: HitchHiker\_8 Start: 5476, Stop: 5144, Start Num: 3

Candidate Starts for HitchHiker\_8:

(Start: 3 @5476 has 33 MA's), (4, 5416), (7, 5323), (10, 5260), (11, 5248), (13, 5203),

Gene: JordanFarm\_7 Start: 5255, Stop: 4923, Start Num: 3  
Candidate Starts for JordanFarm\_7:  
(Start: 3 @5255 has 33 MA's), (4, 5195), (7, 5081), (10, 5018), (11, 5006), (13, 4961),

Gene: KingKamren\_7 Start: 5287, Stop: 4955, Start Num: 3  
Candidate Starts for KingKamren\_7:  
(Start: 3 @5287 has 33 MA's), (4, 5227), (11, 5059), (13, 5014),

Gene: LesNorah\_7 Start: 5606, Stop: 5277, Start Num: 3  
Candidate Starts for LesNorah\_7:  
(Start: 3 @5606 has 33 MA's), (4, 5546), (9, 5408), (11, 5378), (13, 5333),

Gene: LilyLou\_7 Start: 5534, Stop: 5205, Start Num: 3  
Candidate Starts for LilyLou\_7:  
(Start: 3 @5534 has 33 MA's), (4, 5474), (9, 5336), (11, 5306), (13, 5261),

Gene: Mazun\_7 Start: 5279, Stop: 4962, Start Num: 3  
Candidate Starts for Mazun\_7:  
(Start: 3 @5279 has 33 MA's), (4, 5219), (7, 5105), (11, 5030), (13, 4985),

Gene: Oatly\_7 Start: 5476, Stop: 5144, Start Num: 3  
Candidate Starts for Oatly\_7:  
(Start: 3 @5476 has 33 MA's), (4, 5416), (7, 5323), (10, 5260), (11, 5248), (13, 5203),

Gene: Pabst\_7 Start: 5337, Stop: 5005, Start Num: 3  
Candidate Starts for Pabst\_7:  
(Start: 3 @5337 has 33 MA's), (4, 5277), (7, 5184), (10, 5121), (11, 5109), (13, 5064),

Gene: Pharky\_7 Start: 5240, Stop: 4923, Start Num: 3  
Candidate Starts for Pharky\_7:  
(Start: 3 @5240 has 33 MA's), (4, 5180), (7, 5066), (11, 4991), (13, 4946),

Gene: Phedro\_7 Start: 5240, Stop: 4923, Start Num: 3  
Candidate Starts for Phedro\_7:  
(Start: 3 @5240 has 33 MA's), (4, 5180), (7, 5066), (11, 4991), (13, 4946),

Gene: Phogo\_7 Start: 5534, Stop: 5205, Start Num: 3  
Candidate Starts for Phogo\_7:  
(Start: 3 @5534 has 33 MA's), (4, 5474), (9, 5336), (11, 5306), (13, 5261),

Gene: Phracted\_7 Start: 5240, Stop: 4923, Start Num: 3  
Candidate Starts for Phracted\_7:  
(Start: 3 @5240 has 33 MA's), (4, 5180), (7, 5066), (11, 4991), (13, 4946),

Gene: PineapplePluto\_8 Start: 5620, Stop: 5288, Start Num: 3  
Candidate Starts for PineapplePluto\_8:  
(Start: 3 @5620 has 33 MA's), (4, 5560), (7, 5467), (10, 5404), (11, 5392), (13, 5347),

Gene: Stormbreaker\_7 Start: 5516, Stop: 5187, Start Num: 3  
Candidate Starts for Stormbreaker\_7:  
(Start: 3 @5516 has 33 MA's), (4, 5456), (9, 5318), (11, 5288), (13, 5243),

Gene: TinyTimothy\_7 Start: 5385, Stop: 5035, Start Num: 3  
Candidate Starts for TinyTimothy\_7:  
(Start: 3 @5385 has 33 MA's), (4, 5325), (5, 5265), (6, 5262), (11, 5145), (13, 5100),

Gene: Truong\_7 Start: 5255, Stop: 4923, Start Num: 3  
Candidate Starts for Truong\_7:  
(Start: 3 @5255 has 33 MA's), (4, 5195), (7, 5081), (10, 5018), (11, 5006), (13, 4961),

Gene: Unphazed\_7 Start: 5534, Stop: 5205, Start Num: 3  
Candidate Starts for Unphazed\_7:  
(Start: 3 @5534 has 33 MA's), (4, 5474), (9, 5336), (11, 5306), (13, 5261),

Gene: Wesak\_7 Start: 5385, Stop: 5035, Start Num: 3  
Candidate Starts for Wesak\_7:  
(Start: 3 @5385 has 33 MA's), (4, 5325), (5, 5265), (6, 5262), (11, 5145), (13, 5100),

Gene: Xitlalli\_7 Start: 5522, Stop: 5193, Start Num: 3  
Candidate Starts for Xitlalli\_7:  
(Start: 3 @5522 has 33 MA's), (4, 5462), (9, 5324), (11, 5294), (13, 5249),

Gene: YellowPanda\_7 Start: 5385, Stop: 5035, Start Num: 3  
Candidate Starts for YellowPanda\_7:  
(Start: 3 @5385 has 33 MA's), (4, 5325), (5, 5265), (6, 5262), (11, 5145), (13, 5100),

Gene: Zhengyi\_7 Start: 5287, Stop: 4955, Start Num: 3  
Candidate Starts for Zhengyi\_7:  
(Start: 3 @5287 has 33 MA's), (4, 5227), (11, 5059), (13, 5014),