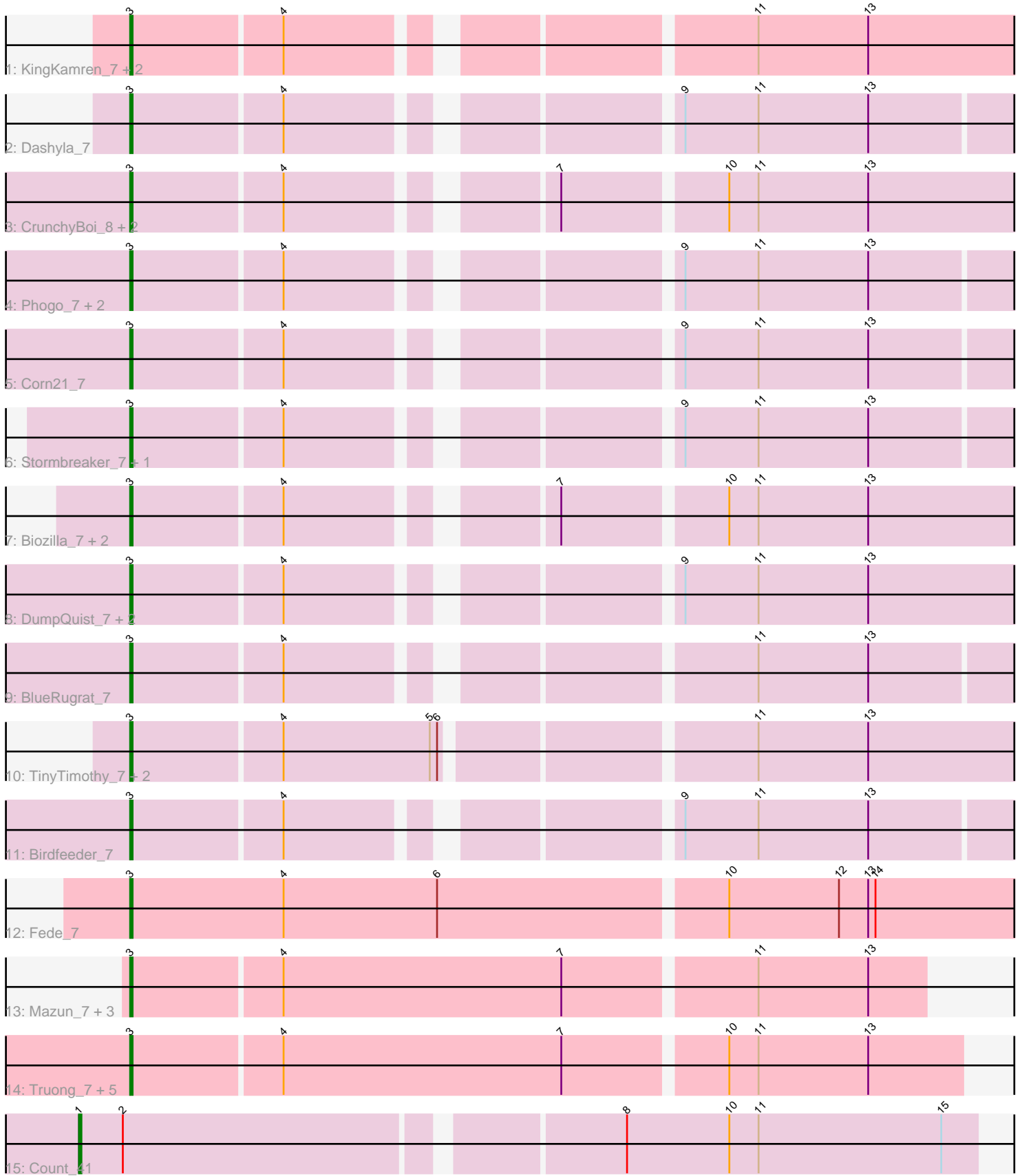


Pham 194186



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 194186 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194186 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),