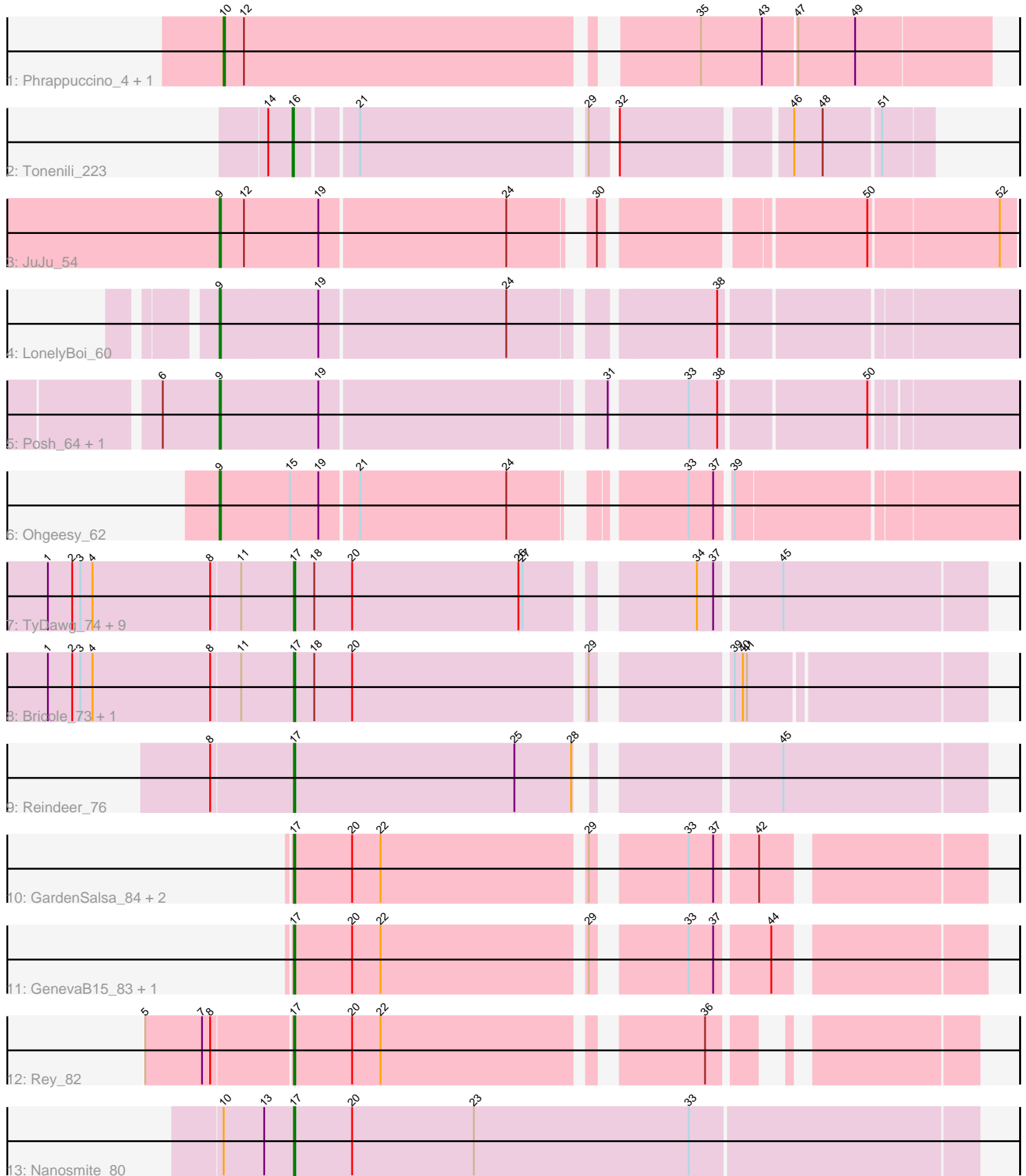


Pham 3208



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 3208 Report

This analysis was run 04/28/24 on database version 559.

Pham number 3208 has 28 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Phrappuccino_4, Settecandela_4
- Track 2 : Tonenili_223
- Track 3 : JuJu_54
- Track 4 : LonelyBoi_60
- Track 5 : Posh_64, Wrigley_66
- Track 6 : Ohgeesy_62
- Track 7 : TyDawg_74, Glaske16_76, Dulcita_75, LilhomieP_74, Skinny_77, IPhane7_74, Bongo_74, Diminimus_75, PegLeg_73, Auspice_74
- Track 8 : Bricole_73, SlimJimmy_74
- Track 9 : Reindeer_76
- Track 10 : GardenSalsa_84, Estes_83, MrMagoo_84
- Track 11 : GenevaB15_83, Aziz_81
- Track 12 : Rey_82
- Track 13 : Nanosmite_80

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

The start number called the most often in the published annotations is 17, it was called in 20 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Auspice_74, Aziz_81, Bongo_74, Bricole_73, Diminimus_75, Dulcita_75, Estes_83, GardenSalsa_84, GenevaB15_83, Glaske16_76, IPhane7_74, LilhomieP_74, MrMagoo_84, Nanosmite_80, PegLeg_73, Reindeer_76, Rey_82, Skinny_77, SlimJimmy_74, TyDawg_74,

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

-

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

- JuJu_54, LonelyBoi_60, Ohgeesy_62, Phrappuccino_4, Posh_64, Settecandela_4, Tonenili_223, Wrigley_66,

Summary by start number:

Start 9:

- Found in 5 of 28 (17.9%) of genes in pham
- Manual Annotations of this start: 5 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JuJu_54 (CV), LonelyBoi_60 (CY), Ohgeesy_62 (CZ), Posh_64 (CY), Wrigley_66 (CY),

Start 10:

- Found in 3 of 28 (10.7%) of genes in pham
- Manual Annotations of this start: 2 of 28
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Phrappuccino_4 (AA), Settecandela_4 (AA),

Start 16:

- Found in 1 of 28 (3.6%) of genes in pham
- Manual Annotations of this start: 1 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Tonenili_223 (C1),

Start 17:

- Found in 20 of 28 (71.4%) of genes in pham
- Manual Annotations of this start: 20 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Auspice_74 (M1), Aziz_81 (M2), Bongo_74 (M1), Bricole_73 (M1), Diminimus_75 (M1), Dulcita_75 (M1), Estes_83 (M2), GardenSalsa_84 (M2), GenevaB15_83 (M2), Glaske16_76 (M1), IPhone7_74 (M1), LilhomieP_74 (M1), MrMagoo_84 (M2), Nanosmite_80 (M3), PegLeg_73 (M1), Reindeer_76 (M1), Rey_82 (M2), Skinny_77 (M1), SlimJimmy_74 (M1), TyDawg_74 (M1),

Summary by clusters:

There are 8 clusters represented in this pham: AA, CZ, CY, M1, M3, M2, C1, CV,

Info for manual annotations of cluster AA:

- Start number 10 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster C1:

- Start number 16 was manually annotated 1 time for cluster C1.

Info for manual annotations of cluster CV:

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

Info for manual annotations of cluster CY:

- Start number 9 was manually annotated 3 times for cluster CY.

Info for manual annotations of cluster CZ:

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

Info for manual annotations of cluster M1:

- Start number 17 was manually annotated 13 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 17 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 17 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Auspice_74 Start: 48198, Stop: 48671, Start Num: 17

Candidate Starts for Auspice_74:

(1, 48018), (2, 48036), (3, 48042), (4, 48051), (8, 48138), (11, 48159), (Start: 17 @48198 has 20 MA's), (18, 48213), (20, 48240), (26, 48363), (27, 48366), (34, 48468), (37, 48480), (45, 48525),

Gene: Aziz_81 Start: 50269, Stop: 50727, Start Num: 17

Candidate Starts for Aziz_81:

(Start: 17 @50269 has 20 MA's), (20, 50311), (22, 50332), (29, 50476), (33, 50533), (37, 50551), (44, 50587),

Gene: Bongo_74 Start: 48202, Stop: 48675, Start Num: 17

Candidate Starts for Bongo_74:

(1, 48022), (2, 48040), (3, 48046), (4, 48055), (8, 48142), (11, 48163), (Start: 17 @48202 has 20 MA's), (18, 48217), (20, 48244), (26, 48367), (27, 48370), (34, 48472), (37, 48484), (45, 48529),

Gene: Bricole_73 Start: 47925, Stop: 48389, Start Num: 17

Candidate Starts for Bricole_73:

(1, 47745), (2, 47763), (3, 47769), (4, 47778), (8, 47865), (11, 47886), (Start: 17 @47925 has 20 MA's), (18, 47940), (20, 47967), (29, 48132), (39, 48216), (40, 48222), (41, 48225),

Gene: Diminimus_75 Start: 48197, Stop: 48670, Start Num: 17

Candidate Starts for Diminimus_75:

(1, 48017), (2, 48035), (3, 48041), (4, 48050), (8, 48137), (11, 48158), (Start: 17 @48197 has 20 MA's), (18, 48212), (20, 48239), (26, 48362), (27, 48365), (34, 48467), (37, 48479), (45, 48524),

Gene: Dulcita_75 Start: 48198, Stop: 48671, Start Num: 17

Candidate Starts for Dulcita_75:

(1, 48018), (2, 48036), (3, 48042), (4, 48051), (8, 48138), (11, 48159), (Start: 17 @48198 has 20 MA's), (18, 48213), (20, 48240), (26, 48363), (27, 48366), (34, 48468), (37, 48480), (45, 48525),

Gene: Estes_83 Start: 50616, Stop: 51074, Start Num: 17

Candidate Starts for Estes_83:

(Start: 17 @50616 has 20 MA's), (20, 50658), (22, 50679), (29, 50823), (33, 50880), (37, 50898), (42, 50925),

Gene: GardenSalsa_84 Start: 50820, Stop: 51278, Start Num: 17

Candidate Starts for GardenSalsa_84:

(Start: 17 @50820 has 20 MA's), (20, 50862), (22, 50883), (29, 51027), (33, 51084), (37, 51102), (42, 51129),

Gene: GenevaB15_83 Start: 50269, Stop: 50727, Start Num: 17

Candidate Starts for GenevaB15_83:

(Start: 17 @50269 has 20 MA's), (20, 50311), (22, 50332), (29, 50476), (33, 50533), (37, 50551), (44, 50587),

Gene: Glaske16_76 Start: 48676, Stop: 49149, Start Num: 17

Candidate Starts for Glaske16_76:

(1, 48496), (2, 48514), (3, 48520), (4, 48529), (8, 48616), (11, 48637), (Start: 17 @48676 has 20 MA's), (18, 48691), (20, 48718), (26, 48841), (27, 48844), (34, 48946), (37, 48958), (45, 49003),

Gene: IPhone7_74 Start: 48202, Stop: 48675, Start Num: 17

Candidate Starts for IPhone7_74:

(1, 48022), (2, 48040), (3, 48046), (4, 48055), (8, 48142), (11, 48163), (Start: 17 @48202 has 20 MA's), (18, 48217), (20, 48244), (26, 48367), (27, 48370), (34, 48472), (37, 48484), (45, 48529),

Gene: JuJu_54 Start: 37966, Stop: 38499, Start Num: 9

Candidate Starts for JuJu_54:

(Start: 9 @37966 has 5 MA's), (12, 37984), (19, 38038), (24, 38173), (30, 38221), (50, 38395), (52, 38488),

Gene: LilhomieP_74 Start: 48681, Stop: 49154, Start Num: 17

Candidate Starts for LilhomieP_74:

(1, 48501), (2, 48519), (3, 48525), (4, 48534), (8, 48621), (11, 48642), (Start: 17 @48681 has 20 MA's), (18, 48696), (20, 48723), (26, 48846), (27, 48849), (34, 48951), (37, 48963), (45, 49008),

Gene: LonelyBoi_60 Start: 44591, Stop: 45139, Start Num: 9

Candidate Starts for LonelyBoi_60:

(Start: 9 @44591 has 5 MA's), (19, 44663), (24, 44798), (38, 44933),

Gene: MrMagoo_84 Start: 50820, Stop: 51278, Start Num: 17

Candidate Starts for MrMagoo_84:

(Start: 17 @50820 has 20 MA's), (20, 50862), (22, 50883), (29, 51027), (33, 51084), (37, 51102), (42, 51129),

Gene: Nanosmite_80 Start: 50030, Stop: 50527, Start Num: 17

Candidate Starts for Nanosmite_80:

(Start: 10 @49979 has 2 MA's), (13, 50009), (Start: 17 @50030 has 20 MA's), (20, 50072), (23, 50162), (33, 50321),

Gene: Ohgeesy_62 Start: 42986, Stop: 43525, Start Num: 9

Candidate Starts for Ohgeesy_62:

(Start: 9 @42986 has 5 MA's), (15, 43037), (19, 43058), (21, 43085), (24, 43193), (33, 43298), (37, 43316), (39, 43325),

Gene: PegLeg_73 Start: 47942, Stop: 48415, Start Num: 17

Candidate Starts for PegLeg_73:

(1, 47762), (2, 47780), (3, 47786), (4, 47795), (8, 47882), (11, 47903), (Start: 17 @47942 has 20 MA's), (18, 47957), (20, 47984), (26, 48107), (27, 48110), (34, 48212), (37, 48224), (45, 48269),

Gene: Phrappuccino_4 Start: 5253, Stop: 5783, Start Num: 10

Candidate Starts for Phrappuccino_4:

(Start: 10 @5253 has 2 MA's), (12, 5268), (35, 5574), (43, 5619), (47, 5643), (49, 5685),

Gene: Posh_64 Start: 44521, Stop: 45066, Start Num: 9

Candidate Starts for Posh_64:

(6, 44479), (Start: 9 @44521 has 5 MA's), (19, 44593), (31, 44791), (33, 44842), (38, 44863), (50, 44965),

Gene: Reindeer_76 Start: 49337, Stop: 49807, Start Num: 17

Candidate Starts for Reindeer_76:

(8, 49277), (Start: 17 @49337 has 20 MA's), (25, 49499), (28, 49541), (45, 49661),

Gene: Rey_82 Start: 50484, Stop: 50915, Start Num: 17

Candidate Starts for Rey_82:

(5, 50379), (7, 50421), (8, 50427), (Start: 17 @50484 has 20 MA's), (20, 50526), (22, 50547), (36, 50760),

Gene: Settecandela_4 Start: 5253, Stop: 5783, Start Num: 10

Candidate Starts for Settecandela_4:

(Start: 10 @5253 has 2 MA's), (12, 5268), (35, 5574), (43, 5619), (47, 5643), (49, 5685),

Gene: Skinny_77 Start: 49110, Stop: 49583, Start Num: 17

Candidate Starts for Skinny_77:

(1, 48930), (2, 48948), (3, 48954), (4, 48963), (8, 49050), (11, 49071), (Start: 17 @49110 has 20 MA's), (18, 49125), (20, 49152), (26, 49275), (27, 49278), (34, 49380), (37, 49392), (45, 49437),

Gene: SlimJimmy_74 Start: 48666, Stop: 49130, Start Num: 17

Candidate Starts for SlimJimmy_74:

(1, 48486), (2, 48504), (3, 48510), (4, 48519), (8, 48606), (11, 48627), (Start: 17 @48666 has 20 MA's), (18, 48681), (20, 48708), (29, 48873), (39, 48957), (40, 48963), (41, 48966),

Gene: Tonenili_223 Start: 113514, Stop: 113939, Start Num: 16

Candidate Starts for Tonenili_223:

(14, 113496), (Start: 16 @113514 has 1 MA's), (21, 113556), (29, 113715), (32, 113730), (46, 113844), (48, 113865), (51, 113904),

Gene: TyDawg_74 Start: 48202, Stop: 48675, Start Num: 17

Candidate Starts for TyDawg_74:

(1, 48022), (2, 48040), (3, 48046), (4, 48055), (8, 48142), (11, 48163), (Start: 17 @48202 has 20 MA's), (18, 48217), (20, 48244), (26, 48367), (27, 48370), (34, 48472), (37, 48484), (45, 48529),

Gene: Wrigley_66 Start: 44104, Stop: 44649, Start Num: 9

Candidate Starts for Wrigley_66:

(6, 44062), (Start: 9 @44104 has 5 MA's), (19, 44176), (31, 44374), (33, 44425), (38, 44446), (50, 44548),