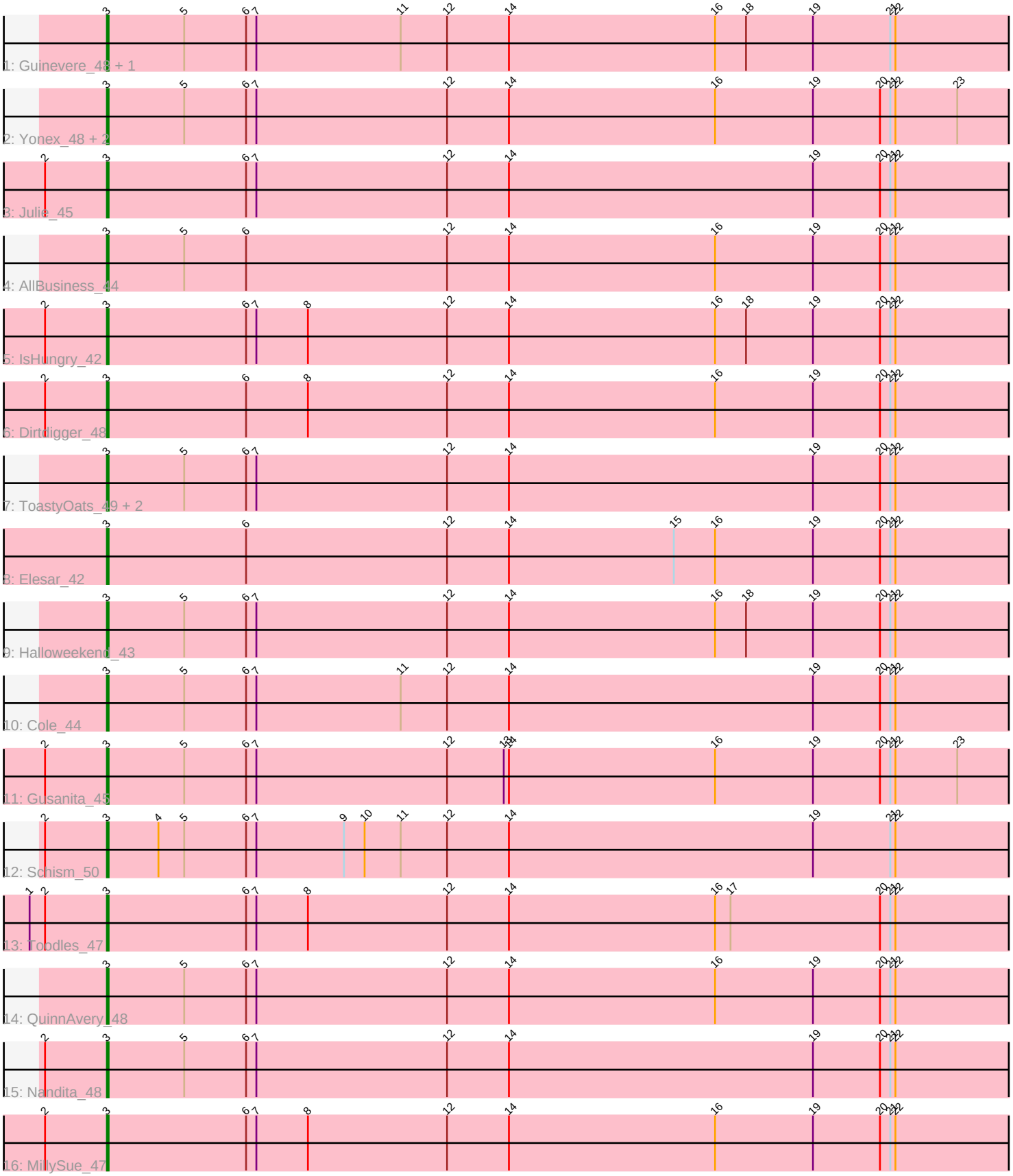
Pham 348048


1: Guinevere_48 + 1
2: Yonex_48 + 2
3: Julie_45
4: AllBusiness_44
5: IsHungry_42
6: Dirtdigger_48
7: ToastyOats_49 + 2
8: Elesar_42
9: Halloweekend_43
10: Cole_44
11: Gusanita_48
12: Schism_50
13: Toodles_47
14: QuinnAvery_48
15: Nandita_48
16: MillySue_47

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 348048 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348048 has 21 members, 1 are drafts.

Phages represented in each track:
- Track 1 : Guinevere_48, Kihatsu_47
- Track 2 : Yonex_48, Donatella_46, Ryan_48
- Track 3 : Julie_45
- Track 4 : AllBusiness_44
- Track 5 : IsHungry_42
- Track 6 : Dirtdigger_48
- Track 7 : ToastyOats_49, BigSherm_47, Ichiang_45
- Track 8 : Elesar_42
- Track 9 : Halloweekend_43
- Track 10 : Cole_44
- Track 11 : Gusanita_45
- Track 12 : Schism_50
- Track 13 : Toodles_47
- Track 14 : QuinnAvery_48
- Track 15 : Nandita_48
- Track 16 : MillySue_47

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 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- AllBusiness_44, BigSherm_47, Cole_44, Dirtdigger_48, Donatella_46, Elesar_42, Guinevere_48, Gusanita_45, Halloweekend_43, Ichiang_45, IsHungry_42, Julie_45, Kihatsu_47, MillySue_47, Nandita_48, QuinnAvery_48, Ryan_48, Schism_50, ToastyOats_49, Toodles_47, Yonex_48,

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

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

Summary by start number:

Start 3:
• Found in 21 of 21 (100.0%) of genes in pham
• Manual Annotations of this start: 20 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AllBusiness_44 (FF), BigSherm_47 (FF), Cole_44 (FF), Dirtdigger_48 (FF), Donatella_46 (FF), Elesar_42 (FF), Guinevere_48 (FF), Gusanita_45 (FF), Halloweekend_43 (FF), Ichiang_45 (FF), IsHungry_42 (FF), Julie_45 (FF), Kihatsu_47 (FF), MillySue_47 (FF), Nandita_48 (FF), QuinnAvery_48 (FF), Ryan_48 (FF), Schism_50 (FF), ToastyOats_49 (FF), Toodles_47 (FF), Yonex_48 (FF),

Summary by clusters:

There is one cluster represented in this pham: FF

Info for manual annotations of cluster FF:
•Start number 3 was manually annotated 20 times for cluster FF.

Gene Information:

Gene: AllBusiness_44 Start: 32632, Stop: 33168, Start Num: 3
Candidate Starts for AllBusiness_44:
(Start: 3 @32632 has 20 MA's), (5, 32677), (6, 32713), (12, 32830), (14, 32866), (16, 32986), (19, 33043), (20, 33082), (21, 33088), (22, 33091),

Gene: BigSherm_47 Start: 31302, Stop: 31838, Start Num: 3
Candidate Starts for BigSherm_47:
(Start: 3 @31302 has 20 MA's), (5, 31347), (6, 31383), (7, 31389), (12, 31500), (14, 31536), (19, 31713), (20, 31752), (21, 31758), (22, 31761),

Gene: Cole_44 Start: 31310, Stop: 31846, Start Num: 3
Candidate Starts for Cole_44:
(Start: 3 @31310 has 20 MA's), (5, 31355), (6, 31391), (7, 31397), (11, 31481), (12, 31508), (14, 31544), (19, 31721), (20, 31760), (21, 31766), (22, 31769),

Gene: Dirtdigger_48 Start: 32287, Stop: 32823, Start Num: 3
Candidate Starts for Dirtdigger_48:
(2, 32251), (Start: 3 @32287 has 20 MA's), (6, 32368), (8, 32404), (12, 32485), (14, 32521), (16, 32641), (19, 32698), (20, 32737), (21, 32743), (22, 32746),

Gene: Donatella_46 Start: 31775, Stop: 32311, Start Num: 3
Candidate Starts for Donatella_46:
(Start: 3 @31775 has 20 MA's), (5, 31820), (6, 31856), (7, 31862), (12, 31973), (14, 32009), (16, 32129), (19, 32186), (20, 32225), (21, 32231), (22, 32234), (23, 32270),

Gene: Elesar_42 Start: 32373, Stop: 32909, Start Num: 3
Candidate Starts for Elesar_42:
(Start: 3 @32373 has 20 MA's), (6, 32454), (12, 32571), (14, 32607), (15, 32703), (16, 32727), (19, 32784), (20, 32823), (21, 32829), (22, 32832),

Gene: Guinevere_48 Start: 31534, Stop: 32070, Start Num: 3
Candidate Starts for Guinevere_48:
(Start: 3 @31534 has 20 MA's), (5, 31579), (6, 31615), (7, 31621), (11, 31705), (12, 31732), (14, 31768), (16, 31888), (18, 31906), (19, 31945), (21, 31990), (22, 31993),

Gene: Gusanita_45 Start: 32041, Stop: 32577, Start Num: 3
Candidate Starts for Gusanita_45:
(2, 32005), (Start: 3 @32041 has 20 MA's), (5, 32086), (6, 32122), (7, 32128), (12, 32239), (13, 32272), (14, 32275), (16, 32395), (19, 32452), (20, 32491), (21, 32497), (22, 32500), (23, 32536),

Gene: Halloweekend_43 Start: 30943, Stop: 31479, Start Num: 3
Candidate Starts for Halloweekend_43:
(Start: 3 @30943 has 20 MA's), (5, 30988), (6, 31024), (7, 31030), (12, 31141), (14, 31177), (16, 31297), (18, 31315), (19, 31354), (20, 31393), (21, 31399), (22, 31402),

Gene: Ichiang_45 Start: 30960, Stop: 31496, Start Num: 3
Candidate Starts for Ichiang_45:
(Start: 3 @30960 has 20 MA's), (5, 31005), (6, 31041), (7, 31047), (12, 31158), (14, 31194), (19, 31371), (20, 31410), (21, 31416), (22, 31419),

Gene: IsHungry_42 Start: 30212, Stop: 30748, Start Num: 3
Candidate Starts for IsHungry_42:
(2, 30176), (Start: 3 @30212 has 20 MA's), (6, 30293), (7, 30299), (8, 30329), (12, 30410), (14, 30446), (16, 30566), (18, 30584), (19, 30623), (20, 30662), (21, 30668), (22, 30671),

Gene: Julie_45 Start: 31998, Stop: 32534, Start Num: 3
Candidate Starts for Julie_45:
(2, 31962), (Start: 3 @31998 has 20 MA's), (6, 32079), (7, 32085), (12, 32196), (14, 32232), (19, 32409), (20, 32448), (21, 32454), (22, 32457),

Gene: Kihatsu_47 Start: 32504, Stop: 33040, Start Num: 3
Candidate Starts for Kihatsu_47:
(Start: 3 @32504 has 20 MA's), (5, 32549), (6, 32585), (7, 32591), (11, 32675), (12, 32702), (14, 32738), (16, 32858), (18, 32876), (19, 32915), (21, 32960), (22, 32963),

Gene: MillySue_47 Start: 31822, Stop: 32358, Start Num: 3
Candidate Starts for MillySue_47:
(2, 31786), (Start: 3 @31822 has 20 MA's), (6, 31903), (7, 31909), (8, 31939), (12, 32020), (14, 32056), (16, 32176), (19, 32233), (20, 32272), (21, 32278), (22, 32281),

Gene: Nandita_48 Start: 31529, Stop: 32065, Start Num: 3
Candidate Starts for Nandita_48:
(2, 31493), (Start: 3 @31529 has 20 MA's), (5, 31574), (6, 31610), (7, 31616), (12, 31727), (14, 31763), (19, 31940), (20, 31979), (21, 31985), (22, 31988),

Gene: QuinnAvery_48 Start: 32393, Stop: 32929, Start Num: 3
Candidate Starts for QuinnAvery_48:
(Start: 3 @32393 has 20 MA's), (5, 32438), (6, 32474), (7, 32480), (12, 32591), (14, 32627), (16, 32747), (19, 32804), (20, 32843), (21, 32849), (22, 32852),

Gene: Ryan_48 Start: 32077, Stop: 32613, Start Num: 3
Candidate Starts for Ryan_48:

(Start: 3 @32077 has 20 MA's), (5, 32122), (6, 32158), (7, 32164), (12, 32275), (14, 32311), (16, 32431), (19, 32488), (20, 32527), (21, 32533), (22, 32536), (23, 32572),

Gene: Schism_50 Start: 32323, Stop: 32859, Start Num: 3
Candidate Starts for Schism_50:
(2, 32287), (Start: 3 @32323 has 20 MA's), (4, 32353), (5, 32368), (6, 32404), (7, 32410), (9, 32461), (10, 32473), (11, 32494), (12, 32521), (14, 32557), (19, 32734), (21, 32779), (22, 32782),

Gene: ToastyOats_49 Start: 31852, Stop: 32388, Start Num: 3
Candidate Starts for ToastyOats_49:
(Start: 3 @31852 has 20 MA's), (5, 31897), (6, 31933), (7, 31939), (12, 32050), (14, 32086), (19, 32263), (20, 32302), (21, 32308), (22, 32311),

Gene: Toodles_47 Start: 32475, Stop: 33011, Start Num: 3
Candidate Starts for Toodles_47:
(1, 32430), (2, 32439), (Start: 3 @32475 has 20 MA's), (6, 32556), (7, 32562), (8, 32592), (12, 32673), (14, 32709), (16, 32829), (17, 32838), (20, 32925), (21, 32931), (22, 32934),

Gene: Yonex_48 Start: 32077, Stop: 32613, Start Num: 3
Candidate Starts for Yonex_48:
(Start: 3 @32077 has 20 MA's), (5, 32122), (6, 32158), (7, 32164), (12, 32275), (14, 32311), (16, 32431), (19, 32488), (20, 32527), (21, 32533), (22, 32536), (23, 32572),