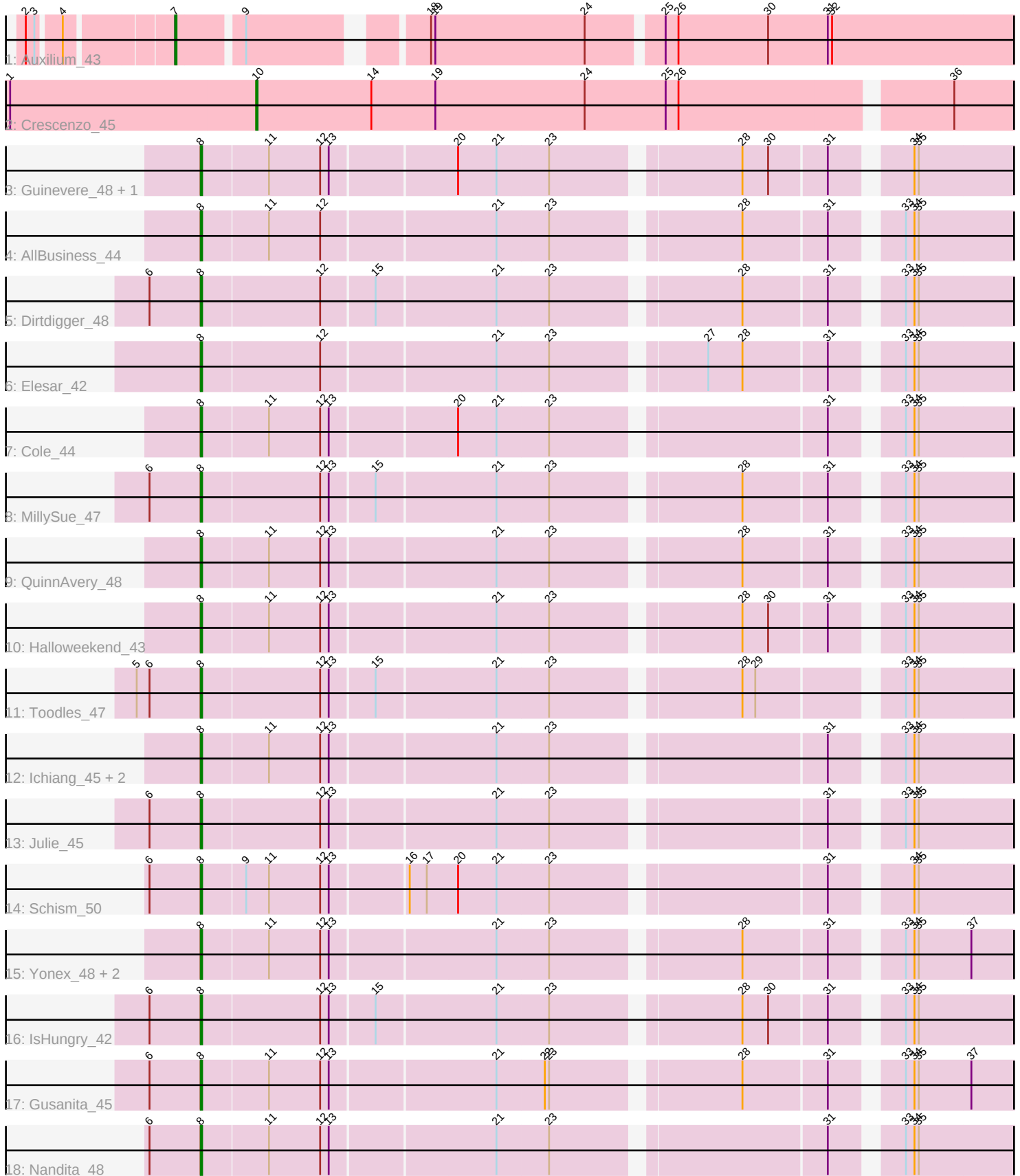


Pham 329394



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 329394 Report

This analysis was run 09/05/26 on database version 662.

Pham number 329394 has 23 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Auxilium_43
- Track 2 : Crescenzo_45
- Track 3 : Guinevere_48, Kihatsu_47
- Track 4 : AllBusiness_44
- Track 5 : Dirt digger_48
- Track 6 : Elesar_42
- Track 7 : Cole_44
- Track 8 : MillySue_47
- Track 9 : QuinnAvery_48
- Track 10 : Halloweekend_43
- Track 11 : Toodles_47
- Track 12 : Ichiang_45, ToastyOats_49, BigSherm_47
- Track 13 : Julie_45
- Track 14 : Schism_50
- Track 15 : Yonex_48, Ryan_48, Donatella_46
- Track 16 : IsHungry_42
- Track 17 : Gusanita_45
- Track 18 : Nandita_48

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 20 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AllBusiness_44, BigSherm_47, Cole_44, Dirt digger_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:

- Auxilium_43, Crescenzo_45,

Summary by start number:

Start 7:

- Found in 1 of 23 (4.3%) of genes in pham
- Manual Annotations of this start: 1 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Auxilium_43 (AY),

Start 8:

- Found in 21 of 23 (91.3%) of genes in pham
- Manual Annotations of this start: 20 of 22
- 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), Halloween_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),

Start 10:

- Found in 1 of 23 (4.3%) of genes in pham
- Manual Annotations of this start: 1 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Crescenzo_45 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FF,

Info for manual annotations of cluster AY:

- Start number 7 was manually annotated 1 time for cluster AY.
- Start number 10 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FF:

- Start number 8 was manually annotated 20 times for cluster FF.

Gene Information:

Gene: AllBusiness_44 Start: 32632, Stop: 33168, Start Num: 8

Candidate Starts for AllBusiness_44:

(Start: 8 @32632 has 20 MA's), (11, 32677), (12, 32713), (21, 32830), (23, 32866), (28, 32986), (31, 33043), (33, 33082), (34, 33088), (35, 33091),

Gene: Auxilium_43 Start: 26966, Stop: 27523, Start Num: 7

Candidate Starts for Auxilium_43:

(2, 26876), (3, 26882), (4, 26897), (Start: 7 @26966 has 1 MA's), (9, 27008), (18, 27113), (19, 27116), (24, 27221), (25, 27269), (26, 27278), (30, 27341), (31, 27383), (32, 27386),

Gene: BigSherm_47 Start: 31302, Stop: 31838, Start Num: 8

Candidate Starts for BigSherm_47:

(Start: 8 @31302 has 20 MA's), (11, 31347), (12, 31383), (13, 31389), (21, 31500), (23, 31536), (31, 31713), (33, 31752), (34, 31758), (35, 31761),

Gene: Cole_44 Start: 31310, Stop: 31846, Start Num: 8

Candidate Starts for Cole_44:

(Start: 8 @31310 has 20 MA's), (11, 31355), (12, 31391), (13, 31397), (20, 31481), (21, 31508), (23, 31544), (31, 31721), (33, 31760), (34, 31766), (35, 31769),

Gene: Crescenzo_45 Start: 30103, Stop: 30630, Start Num: 10

Candidate Starts for Crescenzo_45:

(1, 29932), (Start: 10 @30103 has 1 MA's), (14, 30184), (19, 30229), (24, 30334), (25, 30391), (26, 30400), (36, 30577),

Gene: Dirdigger_48 Start: 32287, Stop: 32823, Start Num: 8

Candidate Starts for Dirdigger_48:

(6, 32251), (Start: 8 @32287 has 20 MA's), (12, 32368), (15, 32404), (21, 32485), (23, 32521), (28, 32641), (31, 32698), (33, 32737), (34, 32743), (35, 32746),

Gene: Donatella_46 Start: 31775, Stop: 32311, Start Num: 8

Candidate Starts for Donatella_46:

(Start: 8 @31775 has 20 MA's), (11, 31820), (12, 31856), (13, 31862), (21, 31973), (23, 32009), (28, 32129), (31, 32186), (33, 32225), (34, 32231), (35, 32234), (37, 32270),

Gene: Elesar_42 Start: 32373, Stop: 32909, Start Num: 8

Candidate Starts for Elesar_42:

(Start: 8 @32373 has 20 MA's), (12, 32454), (21, 32571), (23, 32607), (27, 32703), (28, 32727), (31, 32784), (33, 32823), (34, 32829), (35, 32832),

Gene: Guinevere_48 Start: 31534, Stop: 32070, Start Num: 8

Candidate Starts for Guinevere_48:

(Start: 8 @31534 has 20 MA's), (11, 31579), (12, 31615), (13, 31621), (20, 31705), (21, 31732), (23, 31768), (28, 31888), (30, 31906), (31, 31945), (34, 31990), (35, 31993),

Gene: Gusanita_45 Start: 32041, Stop: 32577, Start Num: 8

Candidate Starts for Gusanita_45:

(6, 32005), (Start: 8 @32041 has 20 MA's), (11, 32086), (12, 32122), (13, 32128), (21, 32239), (22, 32272), (23, 32275), (28, 32395), (31, 32452), (33, 32491), (34, 32497), (35, 32500), (37, 32536),

Gene: Halloweekend_43 Start: 30943, Stop: 31479, Start Num: 8

Candidate Starts for Halloweekend_43:

(Start: 8 @30943 has 20 MA's), (11, 30988), (12, 31024), (13, 31030), (21, 31141), (23, 31177), (28, 31297), (30, 31315), (31, 31354), (33, 31393), (34, 31399), (35, 31402),

Gene: Ichiang_45 Start: 30960, Stop: 31496, Start Num: 8

Candidate Starts for Ichiang_45:

(Start: 8 @30960 has 20 MA's), (11, 31005), (12, 31041), (13, 31047), (21, 31158), (23, 31194), (31, 31371), (33, 31410), (34, 31416), (35, 31419),

Gene: IsHungry_42 Start: 30212, Stop: 30748, Start Num: 8

Candidate Starts for IsHungry_42:

(6, 30176), (Start: 8 @30212 has 20 MA's), (12, 30293), (13, 30299), (15, 30329), (21, 30410), (23, 30446), (28, 30566), (30, 30584), (31, 30623), (33, 30662), (34, 30668), (35, 30671),

Gene: Julie_45 Start: 31998, Stop: 32534, Start Num: 8

Candidate Starts for Julie_45:

(6, 31962), (Start: 8 @31998 has 20 MA's), (12, 32079), (13, 32085), (21, 32196), (23, 32232), (31, 32409), (33, 32448), (34, 32454), (35, 32457),

Gene: Kihatsu_47 Start: 32504, Stop: 33040, Start Num: 8

Candidate Starts for Kihatsu_47:

(Start: 8 @32504 has 20 MA's), (11, 32549), (12, 32585), (13, 32591), (20, 32675), (21, 32702), (23, 32738), (28, 32858), (30, 32876), (31, 32915), (34, 32960), (35, 32963),

Gene: MillySue_47 Start: 31822, Stop: 32358, Start Num: 8

Candidate Starts for MillySue_47:

(6, 31786), (Start: 8 @31822 has 20 MA's), (12, 31903), (13, 31909), (15, 31939), (21, 32020), (23, 32056), (28, 32176), (31, 32233), (33, 32272), (34, 32278), (35, 32281),

Gene: Nandita_48 Start: 31529, Stop: 32065, Start Num: 8

Candidate Starts for Nandita_48:

(6, 31493), (Start: 8 @31529 has 20 MA's), (11, 31574), (12, 31610), (13, 31616), (21, 31727), (23, 31763), (31, 31940), (33, 31979), (34, 31985), (35, 31988),

Gene: QuinnAvery_48 Start: 32393, Stop: 32929, Start Num: 8

Candidate Starts for QuinnAvery_48:

(Start: 8 @32393 has 20 MA's), (11, 32438), (12, 32474), (13, 32480), (21, 32591), (23, 32627), (28, 32747), (31, 32804), (33, 32843), (34, 32849), (35, 32852),

Gene: Ryan_48 Start: 32077, Stop: 32613, Start Num: 8

Candidate Starts for Ryan_48:

(Start: 8 @32077 has 20 MA's), (11, 32122), (12, 32158), (13, 32164), (21, 32275), (23, 32311), (28, 32431), (31, 32488), (33, 32527), (34, 32533), (35, 32536), (37, 32572),

Gene: Schism_50 Start: 32323, Stop: 32859, Start Num: 8

Candidate Starts for Schism_50:

(6, 32287), (Start: 8 @32323 has 20 MA's), (9, 32353), (11, 32368), (12, 32404), (13, 32410), (16, 32461), (17, 32473), (20, 32494), (21, 32521), (23, 32557), (31, 32734), (34, 32779), (35, 32782),

Gene: ToastyOats_49 Start: 31852, Stop: 32388, Start Num: 8

Candidate Starts for ToastyOats_49:

(Start: 8 @31852 has 20 MA's), (11, 31897), (12, 31933), (13, 31939), (21, 32050), (23, 32086), (31, 32263), (33, 32302), (34, 32308), (35, 32311),

Gene: Toodles_47 Start: 32475, Stop: 33011, Start Num: 8

Candidate Starts for Toodles_47:

(5, 32430), (6, 32439), (Start: 8 @32475 has 20 MA's), (12, 32556), (13, 32562), (15, 32592), (21, 32673), (23, 32709), (28, 32829), (29, 32838), (33, 32925), (34, 32931), (35, 32934),

Gene: Yonex_48 Start: 32077, Stop: 32613, Start Num: 8

Candidate Starts for Yonex_48:

(Start: 8 @32077 has 20 MA's), (11, 32122), (12, 32158), (13, 32164), (21, 32275), (23, 32311), (28, 32431), (31, 32488), (33, 32527), (34, 32533), (35, 32536), (37, 32572),