

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 311908 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311908 has 28 members, 0 are drafts.

Phages represented in each track:

- Track 1 : AbbyDaisy_16
- Track 2 : Toodles_19
- Track 3 : Ichiang_17
- Track 4 : Halloweekend_17, Gusanita_17
- Track 5 : QuinnAvery_19, BigSherm_19
- Track 6 : IsHungry_19
- Track 7 : Ryan_18
- Track 8 : Julie_19
- Track 9 : Kihatsu_19, Donatella_18
- Track 10 : Popper_17
- Track 11 : Zaheer_19
- Track 12 : Nandita_18, Schism_19, Guinevere_19
- Track 13 : Elesar_18
- Track 14 : GoodLuckBabe_19
- Track 15 : Cole_17
- Track 16 : AllBusiness_18
- Track 17 : MillySue_19
- Track 18 : ToastyOats_21
- Track 19 : BlackSpider_16
- Track 20 : Bauer_18
- Track 21 : Zucker_17
- Track 22 : Skitty_15
- Track 23 : MrSmee_15

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

The start number called the most often in the published annotations is 5, it was called in 26 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbyDaisy_16, AllBusiness_18, BigSherm_19, BlackSpider_16, Cole_17, Donatella_18, Elesar_18, GoodLuckBabe_19, Guinevere_19, Gusanita_17, Halloweekend_17, Ichiang_17, IsHungry_19, Julie_19, Kihatsu_19, MillySue_19, MrSmee_15, Nandita_18, Popper_17, QuinnAvery_19, Ryan_18, Schism_19,

Skitty_15, ToastyOats_21, Toodles_19, Zaheer_19,

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

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

- Bauer_18, Zucker_17,

Summary by start number:

Start 5:

- Found in 26 of 28 (92.9%) of genes in pham
- Manual Annotations of this start: 26 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_16 (AY), AllBusiness_18 (FF), BigSherm_19 (FF), BlackSpider_16 (FN), Cole_17 (FF), Donatella_18 (FF), Elesar_18 (FF), GoodLuckBabe_19 (FF), Guinevere_19 (FF), Gusanita_17 (FF), Halloweekend_17 (FF), Ichiang_17 (FF), IsHungry_19 (FF), Julie_19 (FF), Kihatsu_19 (FF), MillySue_19 (FF), MrSmee_15 (FQ1), Nandita_18 (FF), Popper_17 (FF), QuinnAvery_19 (FF), Ryan_18 (FF), Schism_19 (FF), Skitty_15 (FQ1), ToastyOats_21 (FF), Toodles_19 (FF), Zaheer_19 (FF),

Start 6:

- Found in 2 of 28 (7.1%) of genes in pham
- Manual Annotations of this start: 2 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bauer_18 (FN), Zucker_17 (FN),

Summary by clusters:

There are 4 clusters represented in this pham: AY, FQ1, FN, FF,

Info for manual annotations of cluster AY:

- Start number 5 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FF:

- Start number 5 was manually annotated 22 times for cluster FF.

Info for manual annotations of cluster FN:

- Start number 5 was manually annotated 1 time for cluster FN.
- Start number 6 was manually annotated 2 times for cluster FN.

Info for manual annotations of cluster FQ1:

- Start number 5 was manually annotated 2 times for cluster FQ1.

Gene Information:

Gene: AbbyDaisy_16 Start: 8816, Stop: 9594, Start Num: 5

Candidate Starts for AbbyDaisy_16:

(Start: 5 @8816 has 26 MA's), (7, 8870), (11, 8936), (12, 8942), (14, 9005), (17, 9044), (27, 9197), (33, 9230), (38, 9335), (45, 9476), (46, 9512), (48, 9533), (50, 9578),

Gene: AllBusiness_18 Start: 10263, Stop: 11038, Start Num: 5

Candidate Starts for AllBusiness_18:

(Start: 5 @10263 has 26 MA's), (8, 10338), (12, 10386), (18, 10509), (25, 10602), (27, 10641), (30, 10653), (32, 10662), (39, 10800), (50, 11022),

Gene: Bauer_18 Start: 10188, Stop: 10972, Start Num: 6

Candidate Starts for Bauer_18:

(Start: 6 @10188 has 2 MA's), (9, 10269), (15, 10389), (23, 10479), (24, 10500), (26, 10566), (31, 10590), (32, 10596), (37, 10689), (43, 10815), (44, 10842), (46, 10890), (48, 10911), (50, 10956),

Gene: BigSherm_19 Start: 10206, Stop: 10978, Start Num: 5

Candidate Starts for BigSherm_19:

(Start: 5 @10206 has 26 MA's), (8, 10281), (12, 10329), (13, 10338), (18, 10452), (21, 10470), (37, 10695), (40, 10761), (47, 10902), (50, 10962),

Gene: BlackSpider_16 Start: 9196, Stop: 9983, Start Num: 5

Candidate Starts for BlackSpider_16:

(1, 9019), (2, 9028), (3, 9058), (Start: 5 @9196 has 26 MA's), (22, 9478), (23, 9490), (28, 9589), (32, 9607), (34, 9637), (46, 9901), (49, 9964), (50, 9967),

Gene: Cole_17 Start: 9866, Stop: 10638, Start Num: 5

Candidate Starts for Cole_17:

(4, 9752), (Start: 5 @9866 has 26 MA's), (8, 9941), (9, 9947), (12, 9989), (18, 10112), (36, 10313), (37, 10355), (41, 10439), (47, 10562), (50, 10622),

Gene: Donatella_18 Start: 10332, Stop: 11104, Start Num: 5

Candidate Starts for Donatella_18:

(Start: 5 @10332 has 26 MA's), (8, 10407), (9, 10413), (12, 10455), (18, 10578), (37, 10821), (41, 10905), (47, 11028), (50, 11088),

Gene: Elesar_18 Start: 10249, Stop: 11021, Start Num: 5

Candidate Starts for Elesar_18:

(Start: 5 @10249 has 26 MA's), (8, 10324), (11, 10366), (12, 10372), (48, 10960), (50, 11005),

Gene: GoodLuckBabe_19 Start: 10160, Stop: 10932, Start Num: 5

Candidate Starts for GoodLuckBabe_19:

(Start: 5 @10160 has 26 MA's), (8, 10235), (9, 10241), (12, 10283), (18, 10406), (36, 10607), (37, 10649), (41, 10733), (47, 10856), (50, 10916),

Gene: Guinevere_19 Start: 10191, Stop: 10963, Start Num: 5

Candidate Starts for Guinevere_19:

(Start: 5 @10191 has 26 MA's), (8, 10266), (9, 10272), (10, 10287), (12, 10314), (18, 10437), (33, 10599), (36, 10638), (37, 10680), (41, 10764), (42, 10779), (47, 10887), (50, 10947),

Gene: Gusanita_17 Start: 10082, Stop: 10854, Start Num: 5

Candidate Starts for Gusanita_17:

(Start: 5 @10082 has 26 MA's), (8, 10157), (12, 10205), (13, 10214), (18, 10328), (21, 10346), (25, 10421), (37, 10571), (40, 10637), (47, 10778), (50, 10838),

Gene: Halloweekend_17 Start: 9832, Stop: 10604, Start Num: 5

Candidate Starts for Halloweekend_17:

(Start: 5 @9832 has 26 MA's), (8, 9907), (12, 9955), (13, 9964), (18, 10078), (21, 10096), (25, 10171), (37, 10321), (40, 10387), (47, 10528), (50, 10588),

Gene: Ichiang_17 Start: 9847, Stop: 10619, Start Num: 5

Candidate Starts for Ichiang_17:

(Start: 5 @9847 has 26 MA's), (8, 9922), (9, 9928), (12, 9970), (18, 10093), (36, 10294), (37, 10336), (41, 10420), (50, 10603),

Gene: IsHungry_19 Start: 10156, Stop: 10931, Start Num: 5

Candidate Starts for IsHungry_19:

(Start: 5 @10156 has 26 MA's), (8, 10231), (9, 10237), (12, 10279), (18, 10402),

Gene: Julie_19 Start: 10419, Stop: 11194, Start Num: 5

Candidate Starts for Julie_19:

(Start: 5 @10419 has 26 MA's), (8, 10494), (12, 10542), (18, 10665), (27, 10797), (32, 10818), (40, 10977), (50, 11178),

Gene: Kihatsu_19 Start: 10513, Stop: 11285, Start Num: 5

Candidate Starts for Kihatsu_19:

(Start: 5 @10513 has 26 MA's), (8, 10588), (9, 10594), (12, 10636), (18, 10759), (37, 11002), (41, 11086), (47, 11209), (50, 11269),

Gene: MillySue_19 Start: 10205, Stop: 10980, Start Num: 5

Candidate Starts for MillySue_19:

(Start: 5 @10205 has 26 MA's), (8, 10280), (12, 10328), (20, 10460), (27, 10583), (31, 10598), (32, 10604), (39, 10742), (47, 10904), (50, 10964),

Gene: MrSmee_15 Start: 7953, Stop: 8725, Start Num: 5

Candidate Starts for MrSmee_15:

(Start: 5 @7953 has 26 MA's), (8, 8028), (9, 8034), (12, 8076), (13, 8085), (16, 8169), (19, 8202), (22, 8220), (26, 8319), (30, 8340), (32, 8349), (45, 8607), (46, 8643), (47, 8649), (48, 8664), (50, 8709),

Gene: Nandita_18 Start: 10191, Stop: 10963, Start Num: 5

Candidate Starts for Nandita_18:

(Start: 5 @10191 has 26 MA's), (8, 10266), (9, 10272), (10, 10287), (12, 10314), (18, 10437), (33, 10599), (36, 10638), (37, 10680), (41, 10764), (42, 10779), (47, 10887), (50, 10947),

Gene: Popper_17 Start: 9718, Stop: 10493, Start Num: 5

Candidate Starts for Popper_17:

(Start: 5 @9718 has 26 MA's), (11, 9838), (14, 9907), (22, 9988), (26, 10087), (29, 10105), (32, 10117), (36, 10168), (37, 10210), (46, 10411),

Gene: QuinnAvery_19 Start: 10206, Stop: 10978, Start Num: 5

Candidate Starts for QuinnAvery_19:

(Start: 5 @10206 has 26 MA's), (8, 10281), (12, 10329), (13, 10338), (18, 10452), (21, 10470), (37, 10695), (40, 10761), (47, 10902), (50, 10962),

Gene: Ryan_18 Start: 10337, Stop: 11109, Start Num: 5

Candidate Starts for Ryan_18:

(Start: 5 @10337 has 26 MA's), (8, 10412), (9, 10418), (12, 10460), (18, 10583), (37, 10826), (41, 10910), (42, 10925), (50, 11093),

Gene: Schism_19 Start: 10191, Stop: 10963, Start Num: 5

Candidate Starts for Schism_19:

(Start: 5 @10191 has 26 MA's), (8, 10266), (9, 10272), (10, 10287), (12, 10314), (18, 10437), (33, 10599), (36, 10638), (37, 10680), (41, 10764), (42, 10779), (47, 10887), (50, 10947),

Gene: Skitty_15 Start: 7953, Stop: 8725, Start Num: 5

Candidate Starts for Skitty_15:

(Start: 5 @7953 has 26 MA's), (8, 8028), (9, 8034), (12, 8076), (13, 8085), (16, 8169), (19, 8202), (22, 8220), (26, 8319), (30, 8340), (32, 8349), (35, 8397), (45, 8607), (46, 8643), (47, 8649), (48, 8664), (50, 8709),

Gene: ToastyOats_21 Start: 10669, Stop: 11441, Start Num: 5

Candidate Starts for ToastyOats_21:

(Start: 5 @10669 has 26 MA's), (8, 10744), (9, 10750), (12, 10792), (18, 10915), (36, 11116), (37, 11158), (40, 11224), (41, 11242), (42, 11257), (47, 11365), (50, 11425),

Gene: Toodles_19 Start: 10417, Stop: 11189, Start Num: 5

Candidate Starts for Toodles_19:

(Start: 5 @10417 has 26 MA's), (8, 10492), (12, 10540), (18, 10663), (46, 11107), (47, 11113), (50, 11173),

Gene: Zaheer_19 Start: 10426, Stop: 11198, Start Num: 5

Candidate Starts for Zaheer_19:

(Start: 5 @10426 has 26 MA's), (8, 10501), (12, 10549), (18, 10672), (36, 10873), (37, 10915), (41, 10999), (42, 11014), (50, 11182),

Gene: Zucker_17 Start: 9501, Stop: 10285, Start Num: 6

Candidate Starts for Zucker_17:

(Start: 6 @9501 has 2 MA's), (9, 9582), (15, 9702), (23, 9792), (24, 9813), (26, 9879), (31, 9903), (32, 9909), (37, 10002), (43, 10128), (46, 10203), (48, 10224), (50, 10269),