



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 305409 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305409 has 14 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Julie_42
- Track 2 : Yonex_45, Ryan_45, BigSherm_44
- Track 3 : IsHungry_39
- Track 4 : AllBusiness_41
- Track 5 : Dirdigger_45
- Track 6 : ToastyOats_46
- Track 7 : Donatella_43
- Track 8 : Nandita_45, Saintcarr_44
- Track 9 : MillySue_43
- Track 10 : Popper_43
- Track 11 : Gusanita_42

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

The start number called the most often in the published annotations is 6, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AllBusiness_41, BigSherm_44, Dirdigger_45, Donatella_43, Gusanita_42, IsHungry_39, Julie_42, MillySue_43, Nandita_45, Popper_43, Ryan_45, Saintcarr_44, ToastyOats_46, Yonex_45,

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 6:

- Found in 14 of 14 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present

• Phage (with cluster) where this start called: AllBusiness_41 (FF), BigSherm_44 (FF), Dirtdigger_45 (FF), Donatella_43 (FF), Gusanita_42 (FF), IsHungry_39 (FF), Julie_42 (FF), MillySue_43 (FF), Nandita_45 (FF), Popper_43 (FF), Ryan_45 (FF), Saintcarr_44 (FF), ToastyOats_46 (FF), Yonex_45 (FF),

Summary by clusters:

There is one cluster represented in this pham: FF

Info for manual annotations of cluster FF:

•Start number 6 was manually annotated 10 times for cluster FF.

Gene Information:

Gene: AllBusiness_41 Start: 31586, Stop: 32197, Start Num: 6

Candidate Starts for AllBusiness_41:

(2, 31499), (Start: 6 @31586 has 10 MA's), (10, 31919),

Gene: BigSherm_44 Start: 30358, Stop: 30864, Start Num: 6

Candidate Starts for BigSherm_44:

(4, 30325), (Start: 6 @30358 has 10 MA's), (9, 30508),

Gene: Dirdigger_45 Start: 31238, Stop: 31855, Start Num: 6

Candidate Starts for Dirdigger_45:

(Start: 6 @31238 has 10 MA's), (9, 31388), (10, 31571), (11, 31736),

Gene: Donatella_43 Start: 30831, Stop: 31337, Start Num: 6

Candidate Starts for Donatella_43:

(4, 30798), (Start: 6 @30831 has 10 MA's), (7, 30858), (9, 30981),

Gene: Gusanita_42 Start: 30992, Stop: 31609, Start Num: 6

Candidate Starts for Gusanita_42:

(3, 30956), (5, 30980), (Start: 6 @30992 has 10 MA's), (9, 31142), (10, 31325),

Gene: IsHungry_39 Start: 29178, Stop: 29774, Start Num: 6

Candidate Starts for IsHungry_39:

(Start: 6 @29178 has 10 MA's), (9, 29328), (10, 29511),

Gene: Julie_42 Start: 30946, Stop: 31563, Start Num: 6

Candidate Starts for Julie_42:

(Start: 6 @30946 has 10 MA's), (10, 31279),

Gene: MillySue_43 Start: 30776, Stop: 31390, Start Num: 6

Candidate Starts for MillySue_43:

(Start: 6 @30776 has 10 MA's), (8, 30839), (10, 31106),

Gene: Nandita_45 Start: 30585, Stop: 31091, Start Num: 6

Candidate Starts for Nandita_45:

(1, 30459), (Start: 6 @30585 has 10 MA's),

Gene: Popper_43 Start: 30514, Stop: 31131, Start Num: 6

Candidate Starts for Popper_43:
(Start: 6 @30514 has 10 MA's), (9, 30664), (10, 30847),

Gene: Ryan_45 Start: 31133, Stop: 31639, Start Num: 6
Candidate Starts for Ryan_45:
(4, 31100), (Start: 6 @31133 has 10 MA's), (9, 31283),

Gene: Saintcarr_44 Start: 30905, Stop: 31411, Start Num: 6
Candidate Starts for Saintcarr_44:
(1, 30779), (Start: 6 @30905 has 10 MA's),

Gene: ToastyOats_46 Start: 30908, Stop: 31414, Start Num: 6
Candidate Starts for ToastyOats_46:
(4, 30875), (Start: 6 @30908 has 10 MA's),

Gene: Yonex_45 Start: 31133, Stop: 31639, Start Num: 6
Candidate Starts for Yonex_45:
(4, 31100), (Start: 6 @31133 has 10 MA's), (9, 31283),