



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 3763 Report

This analysis was run 04/05/24 on database version 557.

Pham number 3763 has 24 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Emma_79, VRedHorse_76, Madiba_80, BodEinwohner17_82, ShiLan_78, Ramsey_80, RockyHorror_77, Radiance_75, Mutaforma13_82, BlueCrab_79, Moonbeam_77, Job42_77, TDanisky_81, Che8_115, FreddyB_85
- Track 2 : Rockne_75, Boomer_78, PMC_71, CaptainTrips_75, MisterCuddles_73, Donkeykong_80, Krakatau_71
- Track 3 : Hades_76
- Track 4 : Brocalys_68

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

The start number called the most often in the published annotations is 4, it was called in 23 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BlueCrab_79, BodEinwohner17_82, Boomer_78, CaptainTrips_75, Che8_115, Donkeykong_80, Emma_79, FreddyB_85, Hades_76, Job42_77, Krakatau_71, Madiba_80, MisterCuddles_73, Moonbeam_77, Mutaforma13_82, PMC_71, Radiance_75, Ramsey_80, Rockne_75, RockyHorror_77, ShiLan_78, TDanisky_81, VRedHorse_76,

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

-

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

- Brocalys_68,

Summary by start number:

Start 3:

- Found in 1 of 24 (4.2%) of genes in pham
- Manual Annotations of this start: 1 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Brocalys_68 (F1),

Start 4:

- Found in 23 of 24 (95.8%) of genes in pham
- Manual Annotations of this start: 23 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlueCrab_79 (F1), BodEinwohner17_82 (F1), Boomer_78 (F1), CaptainTrips_75 (F1), Che8_115 (F1), Donkeykong_80 (F1), Emma_79 (F1), FreddyB_85 (F1), Hades_76 (F1), Job42_77 (F1), Krakatau_71 (F1), Madiba_80 (F1), MisterCuddles_73 (F1), Moonbeam_77 (F1), Mutaforma13_82 (F1), PMC_71 (F1), Radiance_75 (F1), Ramsey_80 (F1), Rockne_75 (F1), RockyHorror_77 (F1), ShiLan_78 (F1), TDanisky_81 (F1), VRedHorse_76 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:

- Start number 3 was manually annotated 1 time for cluster F1.
- Start number 4 was manually annotated 23 times for cluster F1.

Gene Information:

Gene: BlueCrab_79 Start: 48964, Stop: 49047, Start Num: 4

Candidate Starts for BlueCrab_79:

(Start: 4 @48964 has 23 MA's), (5, 48991),

Gene: BodEinwohner17_82 Start: 50053, Stop: 50139, Start Num: 4

Candidate Starts for BodEinwohner17_82:

(Start: 4 @50053 has 23 MA's), (5, 50080),

Gene: Boomer_78 Start: 48148, Stop: 48240, Start Num: 4

Candidate Starts for Boomer_78:

(Start: 4 @48148 has 23 MA's),

Gene: Brocalys_68 Start: 45547, Stop: 45642, Start Num: 3

Candidate Starts for Brocalys_68:

(Start: 3 @45547 has 1 MA's),

Gene: CaptainTrips_75 Start: 47243, Stop: 47329, Start Num: 4

Candidate Starts for CaptainTrips_75:

(Start: 4 @47243 has 23 MA's),

Gene: Che8_115 Start: 48163, Stop: 48249, Start Num: 4

Candidate Starts for Che8_115:

(Start: 4 @48163 has 23 MA's), (5, 48190),

Gene: Donkeykong_80 Start: 49080, Stop: 49166, Start Num: 4

Candidate Starts for Donkeykong_80:

(Start: 4 @49080 has 23 MA's),

Gene: Emma_79 Start: 47140, Stop: 47226, Start Num: 4

Candidate Starts for Emma_79:

(Start: 4 @47140 has 23 MA's), (5, 47167),

Gene: FreddyB_85 Start: 49123, Stop: 49209, Start Num: 4

Candidate Starts for FreddyB_85:

(Start: 4 @49123 has 23 MA's), (5, 49150),

Gene: Hades_76 Start: 46004, Stop: 46090, Start Num: 4

Candidate Starts for Hades_76:

(1, 45917), (2, 45965), (Start: 4 @46004 has 23 MA's),

Gene: Job42_77 Start: 50720, Stop: 50803, Start Num: 4

Candidate Starts for Job42_77:

(Start: 4 @50720 has 23 MA's), (5, 50747),

Gene: Krakatau_71 Start: 44033, Stop: 44119, Start Num: 4

Candidate Starts for Krakatau_71:

(Start: 4 @44033 has 23 MA's),

Gene: Madiba_80 Start: 49230, Stop: 49316, Start Num: 4

Candidate Starts for Madiba_80:

(Start: 4 @49230 has 23 MA's), (5, 49257),

Gene: MisterCuddles_73 Start: 47653, Stop: 47739, Start Num: 4

Candidate Starts for MisterCuddles_73:

(Start: 4 @47653 has 23 MA's),

Gene: Moonbeam_77 Start: 48169, Stop: 48255, Start Num: 4

Candidate Starts for Moonbeam_77:

(Start: 4 @48169 has 23 MA's), (5, 48196),

Gene: Mutaforma13_82 Start: 48771, Stop: 48854, Start Num: 4

Candidate Starts for Mutaforma13_82:

(Start: 4 @48771 has 23 MA's), (5, 48798),

Gene: PMC_71 Start: 46372, Stop: 46464, Start Num: 4

Candidate Starts for PMC_71:

(Start: 4 @46372 has 23 MA's),

Gene: Radiance_75 Start: 48377, Stop: 48460, Start Num: 4

Candidate Starts for Radiance_75:

(Start: 4 @48377 has 23 MA's), (5, 48404),

Gene: Ramsey_80 Start: 49859, Stop: 49942, Start Num: 4

Candidate Starts for Ramsey_80:

(Start: 4 @49859 has 23 MA's), (5, 49886),

Gene: Rockne_75 Start: 46384, Stop: 46476, Start Num: 4

Candidate Starts for Rockne_75:

(Start: 4 @46384 has 23 MA's),

Gene: RockyHorror_77 Start: 46943, Stop: 47029, Start Num: 4

Candidate Starts for RockyHorror_77:

(Start: 4 @46943 has 23 MA's), (5, 46970),

Gene: ShiLan_78 Start: 50495, Stop: 50578, Start Num: 4
Candidate Starts for ShiLan_78:
(Start: 4 @50495 has 23 MA's), (5, 50522),

Gene: TDanisky_81 Start: 46438, Stop: 46521, Start Num: 4
Candidate Starts for TDanisky_81:
(Start: 4 @46438 has 23 MA's), (5, 46465),

Gene: VRedHorse_76 Start: 45596, Stop: 45682, Start Num: 4
Candidate Starts for VRedHorse_76:
(Start: 4 @45596 has 23 MA's), (5, 45623),