Pham 209089

1
5
6
8
9
12
13
15
16
18
1: Schnapsidee_62 + 3
1
2
3
4
7
8
12
13
15
17
18
2: GardenB_63
1
5
6
8
11
12
13
14
15
17
18
3: FarmerDoug_62
1
5
6
8
9
12
13
15
16
17
18
4: Redfield_62
1
5
6
8
9
12
13
15
16
18
5: Balsa_61 + 1
3
4
8
11
12
13
15
17
18
6: Endor_64
1
5
6
8
9
12
13
15
16
17
18
7: Raccoon_62
5
6
8
9
10
15
18
8: MonChoix_62
1
5
6
8
9
12
13
15
16
18
9: Stormbreaker8_61
1
5
6
8
9
12
13
15
16
17
18
10: Etna_63

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 209089 Report

This analysis was run 02/22/25 on database version 588.

Pham number 209089 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Schnapsidee_62, Peppino_62, BeeBee8_64, Leafus_62
• Track 2 : GardenB_63
• Track 3 : FarmerDoug_62
• Track 4 : Redfield_62
• Track 5 : Balsa_61, Hamlet_62
• Track 6 : Endor_64
• Track 7 : Raccoon_62
• Track 8 : MonChoix_62
• Track 9 : Stormbreaker8_61
• Track 10 : Etna_63

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 9 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BeeBee8_64, Endor_64, Etna_63, FarmerDoug_62, Leafus_62, MonChoix_62, Peppino_62, Redfield_62, Schnapsidee_62,

Genes that have the "Most Annotated" start but do not call it:
• Balsa_61, GardenB_63, Hamlet_62, Raccoon_62, Stormbreaker8_61,

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

Summary by start number:

Start 1:
• Found in 12 of 14 (85.7%) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Balsa_61 (EA1), Hamlet_62 (EA1), Raccoon_62 (EA1), Stormbreaker8_61 (EA1),

Start 4:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: GardenB_63 (EA1),

Start 8:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 14
• Called 64.3% of time when present
• Phage (with cluster) where this start called: BeeBee8_64 (EA1), Endor_64 (EA1), Etna_63 (EA1), FarmerDoug_62 (EA1), Leafus_62 (EA1), MonChoix_62 (EA1), Peppino_62 (EA1), Redfield_62 (EA1), Schnapsidee_62 (EA1),

Summary by clusters:

There is one cluster represented in this pham: EA1

Info for manual annotations of cluster EA1:
•Start number 1 was manually annotated 4 times for cluster EA1.
•Start number 4 was manually annotated 1 time for cluster EA1.
•Start number 8 was manually annotated 9 times for cluster EA1.

Gene Information:

Gene: Balsa_61 Start: 40812, Stop: 41132, Start Num: 1
Candidate Starts for Balsa_61:
(Start: 1 @40812 has 4 MA's), (5, 40854), (6, 40863), (Start: 8 @40881 has 9 MA's), (9, 40908), (12, 40950), (13, 40974), (15, 41025), (16, 41052), (18, 41082),

Gene: BeeBee8_64 Start: 41046, Stop: 41297, Start Num: 8
Candidate Starts for BeeBee8_64:
(Start: 1 @40977 has 4 MA's), (5, 41019), (6, 41028), (Start: 8 @41046 has 9 MA's), (9, 41073), (12, 41115), (13, 41139), (15, 41190), (16, 41217), (18, 41247),

Gene: Endor_64 Start: 41279, Stop: 41530, Start Num: 8
Candidate Starts for Endor_64:
(3, 41243), (Start: 4 @41249 has 1 MA's), (Start: 8 @41279 has 9 MA's), (11, 41333), (12, 41348), (13, 41372), (15, 41423), (17, 41456), (18, 41480),

Gene: Etna_63 Start: 40927, Stop: 41178, Start Num: 8
Candidate Starts for Etna_63:
(Start: 1 @40858 has 4 MA's), (5, 40900), (6, 40909), (Start: 8 @40927 has 9 MA's), (9, 40954), (12, 40996), (13, 41020), (15, 41071), (16, 41098), (17, 41104), (18, 41128),

Gene: FarmerDoug_62 Start: 40723, Stop: 40974, Start Num: 8
Candidate Starts for FarmerDoug_62:
(Start: 1 @40654 has 4 MA's), (5, 40696), (6, 40705), (Start: 8 @40723 has 9 MA's), (11, 40777), (12, 40792), (13, 40816), (14, 40849), (15, 40867), (17, 40900), (18, 40924),

Gene: GardenB_63 Start: 41083, Stop: 41364, Start Num: 4
Candidate Starts for GardenB_63:
(Start: 1 @41044 has 4 MA's), (2, 41056), (3, 41077), (Start: 4 @41083 has 1 MA's), (7, 41101), (Start: 8 @41113 has 9 MA's), (12, 41182), (13, 41206), (15, 41257), (17, 41290), (18, 41314),

Gene: Hamlet_62 Start: 40884, Stop: 41204, Start Num: 1
Candidate Starts for Hamlet_62:
(Start: 1 @40884 has 4 MA's), (5, 40926), (6, 40935), (Start: 8 @40953 has 9 MA's), (9, 40980), (12, 41022), (13, 41046), (15, 41097), (16, 41124), (18, 41154),

Gene: Leafus_62 Start: 41019, Stop: 41270, Start Num: 8
Candidate Starts for Leafus_62:
(Start: 1 @40950 has 4 MA's), (5, 40992), (6, 41001), (Start: 8 @41019 has 9 MA's), (9, 41046), (12, 41088), (13, 41112), (15, 41163), (16, 41190), (18, 41220),

Gene: MonChoix_62 Start: 40645, Stop: 40896, Start Num: 8
Candidate Starts for MonChoix_62:
(5, 40618), (6, 40627), (Start: 8 @40645 has 9 MA's), (9, 40672), (10, 40675), (15, 40789), (18, 40846),

Gene: Peppino_62 Start: 40951, Stop: 41202, Start Num: 8
Candidate Starts for Peppino_62:
(Start: 1 @40882 has 4 MA's), (5, 40924), (6, 40933), (Start: 8 @40951 has 9 MA's), (9, 40978), (12, 41020), (13, 41044), (15, 41095), (16, 41122), (18, 41152),

Gene: Raccoon_62 Start: 40844, Stop: 41164, Start Num: 1
Candidate Starts for Raccoon_62:
(Start: 1 @40844 has 4 MA's), (5, 40886), (6, 40895), (Start: 8 @40913 has 9 MA's), (9, 40940), (12, 40982), (13, 41006), (15, 41057), (16, 41084), (17, 41090), (18, 41114),

Gene: Redfield_62 Start: 40949, Stop: 41200, Start Num: 8
Candidate Starts for Redfield_62:
(Start: 1 @40880 has 4 MA's), (5, 40922), (6, 40931), (Start: 8 @40949 has 9 MA's), (9, 40976), (12, 41018), (13, 41042), (15, 41093), (16, 41120), (17, 41126), (18, 41150),

Gene: Schnapsidee_62 Start: 40891, Stop: 41142, Start Num: 8
Candidate Starts for Schnapsidee_62:
(Start: 1 @40822 has 4 MA's), (5, 40864), (6, 40873), (Start: 8 @40891 has 9 MA's), (9, 40918), (12, 40960), (13, 40984), (15, 41035), (16, 41062), (18, 41092),

Gene: Stormbreaker8_61 Start: 40701, Stop: 41021, Start Num: 1
Candidate Starts for Stormbreaker8_61:
(Start: 1 @40701 has 4 MA's), (5, 40743), (6, 40752), (Start: 8 @40770 has 9 MA's), (9, 40797), (12, 40839), (13, 40863), (15, 40914), (16, 40941), (18, 40971),