Pham 337149


1
2
3
4
5
7
14
16
17
18
19
22
24
1: Farewell_69
4
5
7
10
12
13
15
20
21
2: Aloeri_78
4
5
7
10
12
13
15
20
23
25
3: Awesomesauce_77
1
2
4
5
7
10
12
13
15
20
21
4: MulchSalad_67
4
5
7
10
12
13
15
20
21
5: Fulbright_54 + 3
6
7
10
12
13
15
20
21
6: EGUnicorn_52 + 10
4
5
7
8
9
11
20
21
7: Silvafighter_56

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 337149 Report

This analysis was run 11/14/26 on database version 672.

Pham number 337149 has 20 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Farewell_69
• Track 2 : Aloeri_78
• Track 3 : Awesomesauce_77
• Track 4 : MulchSalad_67
• Track 5 : Fulbright_54, Misha28_76, TootsiePop_76, ChickenDinner_77
• Track 6 : EGUnicorn_52, Schnauzer_57, Parmesanjohn_56, Carcharodon_56, Pipsqueaks_57, Xerxes_56, Magsby_56, Phloss_54, Tessdabest_56, Smurph_56, Gex_57
• Track 7 : Silvafighter_56

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

The start number called the most often in the published annotations is 7, it was called in 16 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Awesomesauce_77, Carcharodon_56, ChickenDinner_77, EGUnicorn_52, Fulbright_54, Gex_57, Magsby_56, Misha28_76, MulchSalad_67, Parmesanjohn_56, Phloss_54, Pipsqueaks_57, Schnauzer_57, Smurph_56, Tessdabest_56, TootsiePop_76, Xerxes_56,

Genes that have the "Most Annotated" start but do not call it:
• Aloeri_78, Farewell_69, Silvafighter_56,

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

Summary by start number:

Start 4:
• Found in 9 of 20 (45.0%) of genes in pham
• Manual Annotations of this start: 3 of 19
• Called 33.3% of time when present

• Phage (with cluster) where this start called: Aloeri_78 (F1), Farewell_69 (AF), Silvafighter_56 (N),

Start 7:
• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 19
• Called 85.0% of time when present
• Phage (with cluster) where this start called: Awesomesauce_77 (F1), Carcharodon_56 (N), ChickenDinner_77 (F1), EGUnicorn_52 (N), Fulbright_54 (N), Gex_57 (N), Magsby_56 (N), Misha28_76 (F1), MulchSalad_67 (F7), Parmesanjohn_56 (N), Phloss_54 (N), Pipsqueaks_57 (N), Schnauzer_57 (N), Smurph_56 (N), Tessdabest_56 (N), TootsiePop_76 (F1), Xerxes_56 (N),

Summary by clusters:

There are 4 clusters represented in this pham: F1, F7, AF, N,

Info for manual annotations of cluster AF:
•Start number 4 was manually annotated 1 time for cluster AF.

Info for manual annotations of cluster F1:
•Start number 4 was manually annotated 1 time for cluster F1.
•Start number 7 was manually annotated 4 times for cluster F1.

Info for manual annotations of cluster F7:
•Start number 7 was manually annotated 1 time for cluster F7.

Info for manual annotations of cluster N:
•Start number 4 was manually annotated 1 time for cluster N.
•Start number 7 was manually annotated 11 times for cluster N.

Gene Information:

Gene: Aloeri_78 Start: 48466, Stop: 48867, Start Num: 4
Candidate Starts for Aloeri_78:
(Start: 4 @48466 has 3 MA's), (5, 48502), (Start: 7 @48556 has 16 MA's), (10, 48607), (12, 48628), (13, 48640), (15, 48676), (20, 48739), (21, 48781),

Gene: Awesomesauce_77 Start: 48635, Stop: 49000, Start Num: 7
Candidate Starts for Awesomesauce_77:
(Start: 4 @48545 has 3 MA's), (5, 48581), (Start: 7 @48635 has 16 MA's), (10, 48686), (12, 48707), (13, 48719), (15, 48755), (20, 48818), (23, 48890), (25, 48926),

Gene: Carcharodon_56 Start: 36662, Stop: 36964, Start Num: 7
Candidate Starts for Carcharodon_56:
(6, 36617), (Start: 7 @36662 has 16 MA's), (10, 36713), (12, 36734), (13, 36746), (15, 36782), (20, 36845), (21, 36887),

Gene: ChickenDinner_77 Start: 48556, Stop: 48867, Start Num: 7
Candidate Starts for ChickenDinner_77:

(Start: 4 @48466 has 3 MA's), (5, 48502), (Start: 7 @48556 has 16 MA's), (10, 48607), (12, 48628), (13, 48640), (15, 48676), (20, 48739), (21, 48781),

Gene: EGUnicorn_52 Start: 35499, Stop: 35801, Start Num: 7
Candidate Starts for EGUnicorn_52:
(6, 35454), (Start: 7 @35499 has 16 MA's), (10, 35550), (12, 35571), (13, 35583), (15, 35619), (20, 35682), (21, 35724),

Gene: Farewell_69 Start: 47142, Stop: 47591, Start Num: 4
Candidate Starts for Farewell_69:
(1, 47049), (2, 47109), (3, 47133), (Start: 4 @47142 has 3 MA's), (5, 47178), (Start: 7 @47235 has 16 MA's), (14, 47406), (16, 47436), (17, 47442), (18, 47445), (19, 47448), (22, 47520), (24, 47553),

Gene: Fulbright_54 Start: 35356, Stop: 35658, Start Num: 7
Candidate Starts for Fulbright_54:
(Start: 4 @35266 has 3 MA's), (5, 35302), (Start: 7 @35356 has 16 MA's), (10, 35407), (12, 35428), (13, 35440), (15, 35476), (20, 35539), (21, 35581),

Gene: Gex_57 Start: 36678, Stop: 36980, Start Num: 7
Candidate Starts for Gex_57:
(6, 36633), (Start: 7 @36678 has 16 MA's), (10, 36729), (12, 36750), (13, 36762), (15, 36798), (20, 36861), (21, 36903),

Gene: Magsby_56 Start: 36679, Stop: 36981, Start Num: 7
Candidate Starts for Magsby_56:
(6, 36634), (Start: 7 @36679 has 16 MA's), (10, 36730), (12, 36751), (13, 36763), (15, 36799), (20, 36862), (21, 36904),

Gene: Misha28_76 Start: 49081, Stop: 49392, Start Num: 7
Candidate Starts for Misha28_76:
(Start: 4 @48991 has 3 MA's), (5, 49027), (Start: 7 @49081 has 16 MA's), (10, 49132), (12, 49153), (13, 49165), (15, 49201), (20, 49264), (21, 49306),

Gene: MulchSalad_67 Start: 45317, Stop: 45628, Start Num: 7
Candidate Starts for MulchSalad_67:
(1, 45134), (2, 45194), (Start: 4 @45227 has 3 MA's), (5, 45263), (Start: 7 @45317 has 16 MA's), (10, 45368), (12, 45389), (13, 45401), (15, 45437), (20, 45500), (21, 45542),

Gene: Parmesanjohn_56 Start: 36682, Stop: 36984, Start Num: 7
Candidate Starts for Parmesanjohn_56:
(6, 36637), (Start: 7 @36682 has 16 MA's), (10, 36733), (12, 36754), (13, 36766), (15, 36802), (20, 36865), (21, 36907),

Gene: Phloss_54 Start: 36089, Stop: 36391, Start Num: 7
Candidate Starts for Phloss_54:
(6, 36044), (Start: 7 @36089 has 16 MA's), (10, 36140), (12, 36161), (13, 36173), (15, 36209), (20, 36272), (21, 36314),

Gene: Pipsqueaks_57 Start: 36660, Stop: 36962, Start Num: 7
Candidate Starts for Pipsqueaks_57:
(6, 36615), (Start: 7 @36660 has 16 MA's), (10, 36711), (12, 36732), (13, 36744), (15, 36780), (20, 36843), (21, 36885),

Gene: Schnauzer_57 Start: 36682, Stop: 36984, Start Num: 7
Candidate Starts for Schnauzer_57:
(6, 36637), (Start: 7 @36682 has 16 MA's), (10, 36733), (12, 36754), (13, 36766), (15, 36802), (20, 36865), (21, 36907),

Gene: Silvafighter_56 Start: 36170, Stop: 36607, Start Num: 4
Candidate Starts for Silvafighter_56:
(Start: 4 @36170 has 3 MA's), (5, 36206), (Start: 7 @36260 has 16 MA's), (8, 36302), (9, 36323), (11, 36374), (20, 36503), (21, 36545),

Gene: Smurph_56 Start: 36682, Stop: 36984, Start Num: 7
Candidate Starts for Smurph_56:
(6, 36637), (Start: 7 @36682 has 16 MA's), (10, 36733), (12, 36754), (13, 36766), (15, 36802), (20, 36865), (21, 36907),

Gene: Tessdabest_56 Start: 36815, Stop: 37117, Start Num: 7
Candidate Starts for Tessdabest_56:
(6, 36770), (Start: 7 @36815 has 16 MA's), (10, 36866), (12, 36887), (13, 36899), (15, 36935), (20, 36998), (21, 37040),

Gene: TootsiePop_76 Start: 49081, Stop: 49392, Start Num: 7
Candidate Starts for TootsiePop_76:
(Start: 4 @48991 has 3 MA's), (5, 49027), (Start: 7 @49081 has 16 MA's), (10, 49132), (12, 49153), (13, 49165), (15, 49201), (20, 49264), (21, 49306),

Gene: Xerxes_56 Start: 36679, Stop: 36981, Start Num: 7
Candidate Starts for Xerxes_56:
(6, 36634), (Start: 7 @36679 has 16 MA's), (10, 36730), (12, 36751), (13, 36763), (15, 36799), (20, 36862), (21, 36904),