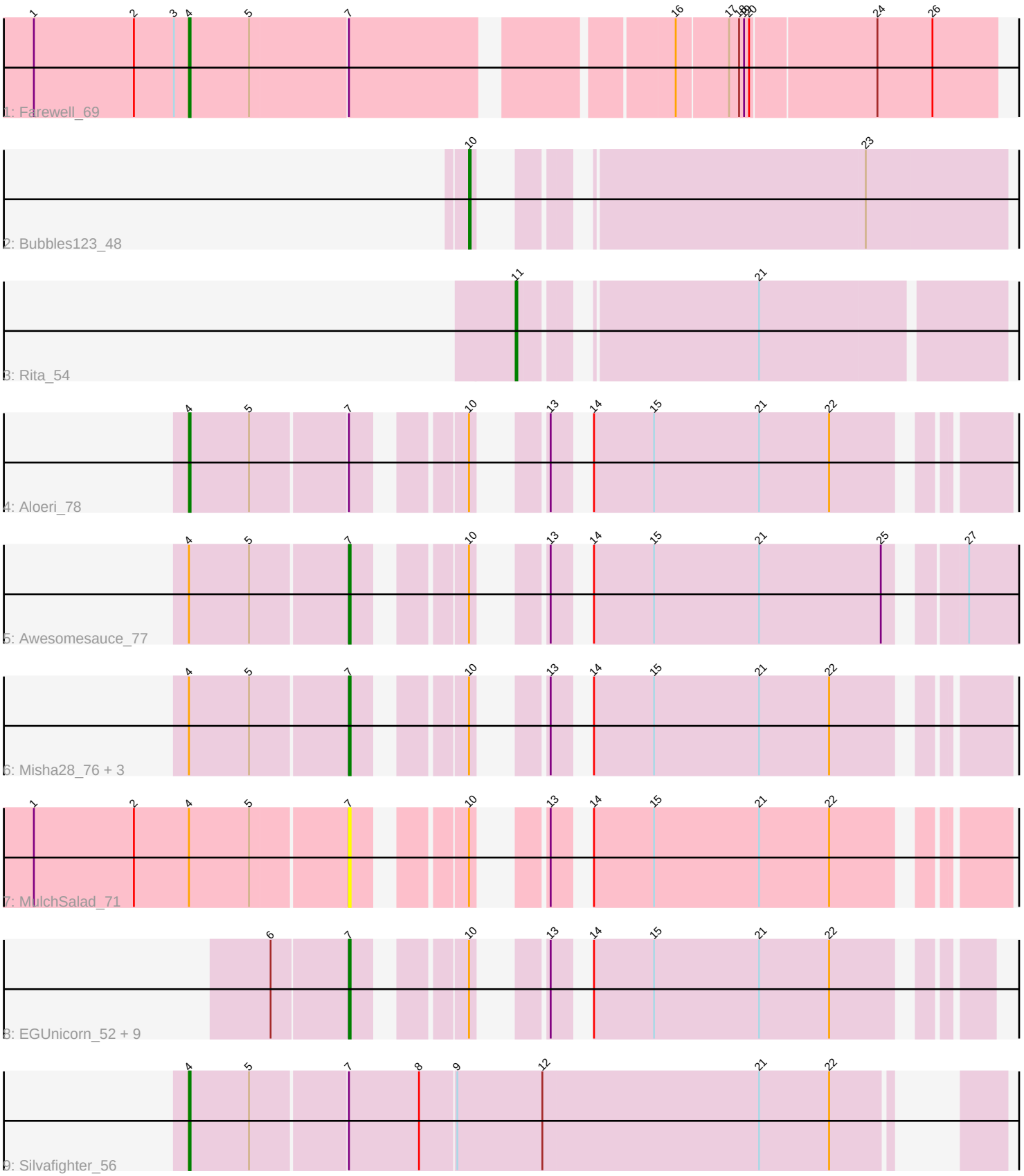
Pham 280869


1
2
3
4
5
7
16
17
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20
24
26
1: Farewell_69
10
23
2: Bubbles123_48
11
21
3: Rita_54
4
5
7
10
13
14
15
21
22
4: Aloeri_78
4
5
7
10
13
14
15
21
25
27
5: Awesomesauce_77
4
5
7
10
13
14
15
21
22
6: Misha28_76 + 3
1
2
4
5
7
10
13
14
15
21
22
7: MulchSalad_71
6
7
10
13
14
15
21
22
8: EGUnicorn_52 + 9
4
5
7
8
9
12
21
22
9: 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 280869 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280869 has 21 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Farewell_69
• Track 2 : Bubbles123_48
• Track 3 : Rita_54
• Track 4 : Aloeri_78
• Track 5 : Awesomesauce_77
• Track 6 : Misha28_76, Fulbright_54, TootsiePop_76, ChickenDinner_77
• Track 7 : MulchSalad_71
• Track 8 : EGUnicorn_52, Carcharodon_56, Parmesanjohn_56, Schnauzer_57, Pipsqueaks_57, Xerxes_56, Magsby_56, Phloss_54, Smurph_56, Gex_57
• Track 9 : 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 15 of the 20 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_71, Parmesanjohn_56, Phloss_54, Pipsqueaks_57, Schnauzer_57, Smurph_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:
• Bubbles123_48, Rita_54,

Summary by start number:

Start 4:
• Found in 9 of 21 (42.9%) of genes in pham
• Manual Annotations of this start: 3 of 20
• 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 19 of 21 (90.5%) of genes in pham
• Manual Annotations of this start: 15 of 20
• Called 84.2% 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_71 (F7), Parmesanjohn_56 (N), Phloss_54 (N), Pipsqueaks_57 (N), Schnauzer_57 (N), Smurph_56 (N), TootsiePop_76 (F1), Xerxes_56 (N),

Start 10:
• Found in 18 of 21 (85.7%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 5.6% of time when present
• Phage (with cluster) where this start called: Bubbles123_48 (F1),

Start 11:
• Found in 1 of 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rita_54 (F1),

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.
•Start number 10 was manually annotated 1 time for cluster F1.
•Start number 11 was manually annotated 1 time for cluster F1.

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 15 MA's), (Start: 10 @48607 has 1 MA's), (13, 48628), (14, 48640), (15, 48676), (21, 48739), (22, 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 15 MA's), (Start: 10 @48686 has 1 MA's), (13, 48707), (14, 48719), (15, 48755), (21, 48818), (25, 48890), (27, 48926),

Gene: Bubbles123_48 Start: 37249, Stop: 37524, Start Num: 10
Candidate Starts for Bubbles123_48:
(Start: 10 @37249 has 1 MA's), (23, 37441),

Gene: Carcharodon_56 Start: 36662, Stop: 36964, Start Num: 7
Candidate Starts for Carcharodon_56:
(6, 36617), (Start: 7 @36662 has 15 MA's), (Start: 10 @36713 has 1 MA's), (13, 36734), (14, 36746), (15, 36782), (21, 36845), (22, 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 15 MA's), (Start: 10 @48607 has 1 MA's), (13, 48628), (14, 48640), (15, 48676), (21, 48739), (22, 48781),

Gene: EGUnicorn_52 Start: 35499, Stop: 35801, Start Num: 7
Candidate Starts for EGUnicorn_52:
(6, 35454), (Start: 7 @35499 has 15 MA's), (Start: 10 @35550 has 1 MA's), (13, 35571), (14, 35583), (15, 35619), (21, 35682), (22, 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 15 MA's), (16, 47406), (17, 47436), (18, 47442), (19, 47445), (20, 47448), (24, 47520), (26, 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 15 MA's), (Start: 10 @35407 has 1 MA's), (13, 35428), (14, 35440), (15, 35476), (21, 35539), (22, 35581),

Gene: Gex_57 Start: 36678, Stop: 36980, Start Num: 7
Candidate Starts for Gex_57:
(6, 36633), (Start: 7 @36678 has 15 MA's), (Start: 10 @36729 has 1 MA's), (13, 36750), (14, 36762), (15, 36798), (21, 36861), (22, 36903),

Gene: Magsby_56 Start: 36679, Stop: 36981, Start Num: 7
Candidate Starts for Magsby_56:
(6, 36634), (Start: 7 @36679 has 15 MA's), (Start: 10 @36730 has 1 MA's), (13, 36751), (14, 36763), (15, 36799), (21, 36862), (22, 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 15 MA's), (Start: 10 @49132 has 1 MA's), (13, 49153), (14, 49165), (15, 49201), (21, 49264), (22, 49306),

Gene: MulchSalad_71 Start: 45317, Stop: 45628, Start Num: 7
Candidate Starts for MulchSalad_71:
(1, 45134), (2, 45194), (Start: 4 @45227 has 3 MA's), (5, 45263), (Start: 7 @45317 has 15 MA's), (Start: 10 @45368 has 1 MA's), (13, 45389), (14, 45401), (15, 45437), (21, 45500), (22, 45542),

Gene: Parmesanjohn_56 Start: 36682, Stop: 36984, Start Num: 7
Candidate Starts for Parmesanjohn_56:
(6, 36637), (Start: 7 @36682 has 15 MA's), (Start: 10 @36733 has 1 MA's), (13, 36754), (14, 36766), (15, 36802), (21, 36865), (22, 36907),

Gene: Phloss_54 Start: 36089, Stop: 36391, Start Num: 7
Candidate Starts for Phloss_54:
(6, 36044), (Start: 7 @36089 has 15 MA's), (Start: 10 @36140 has 1 MA's), (13, 36161), (14, 36173), (15, 36209), (21, 36272), (22, 36314),

Gene: Pipsqueaks_57 Start: 36660, Stop: 36962, Start Num: 7
Candidate Starts for Pipsqueaks_57:
(6, 36615), (Start: 7 @36660 has 15 MA's), (Start: 10 @36711 has 1 MA's), (13, 36732), (14, 36744), (15, 36780), (21, 36843), (22, 36885),

Gene: Rita_54 Start: 36643, Stop: 36906, Start Num: 11
Candidate Starts for Rita_54:
(Start: 11 @36643 has 1 MA's), (21, 36766),

Gene: Schnauzer_57 Start: 36682, Stop: 36984, Start Num: 7
Candidate Starts for Schnauzer_57:
(6, 36637), (Start: 7 @36682 has 15 MA's), (Start: 10 @36733 has 1 MA's), (13, 36754), (14, 36766), (15, 36802), (21, 36865), (22, 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 15 MA's), (8, 36302), (9, 36323), (12, 36374), (21, 36503), (22, 36545),

Gene: Smurph_56 Start: 36682, Stop: 36984, Start Num: 7
Candidate Starts for Smurph_56:
(6, 36637), (Start: 7 @36682 has 15 MA's), (Start: 10 @36733 has 1 MA's), (13, 36754), (14, 36766), (15, 36802), (21, 36865), (22, 36907),

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 15 MA's), (Start: 10 @49132 has 1 MA's), (13, 49153), (14, 49165), (15, 49201), (21, 49264), (22, 49306),

Gene: Xerxes_56 Start: 36679, Stop: 36981, Start Num: 7
Candidate Starts for Xerxes_56:
(6, 36634), (Start: 7 @36679 has 15 MA's), (Start: 10 @36730 has 1 MA's), (13, 36751), (14, 36763), (15, 36799), (21, 36862), (22, 36904),