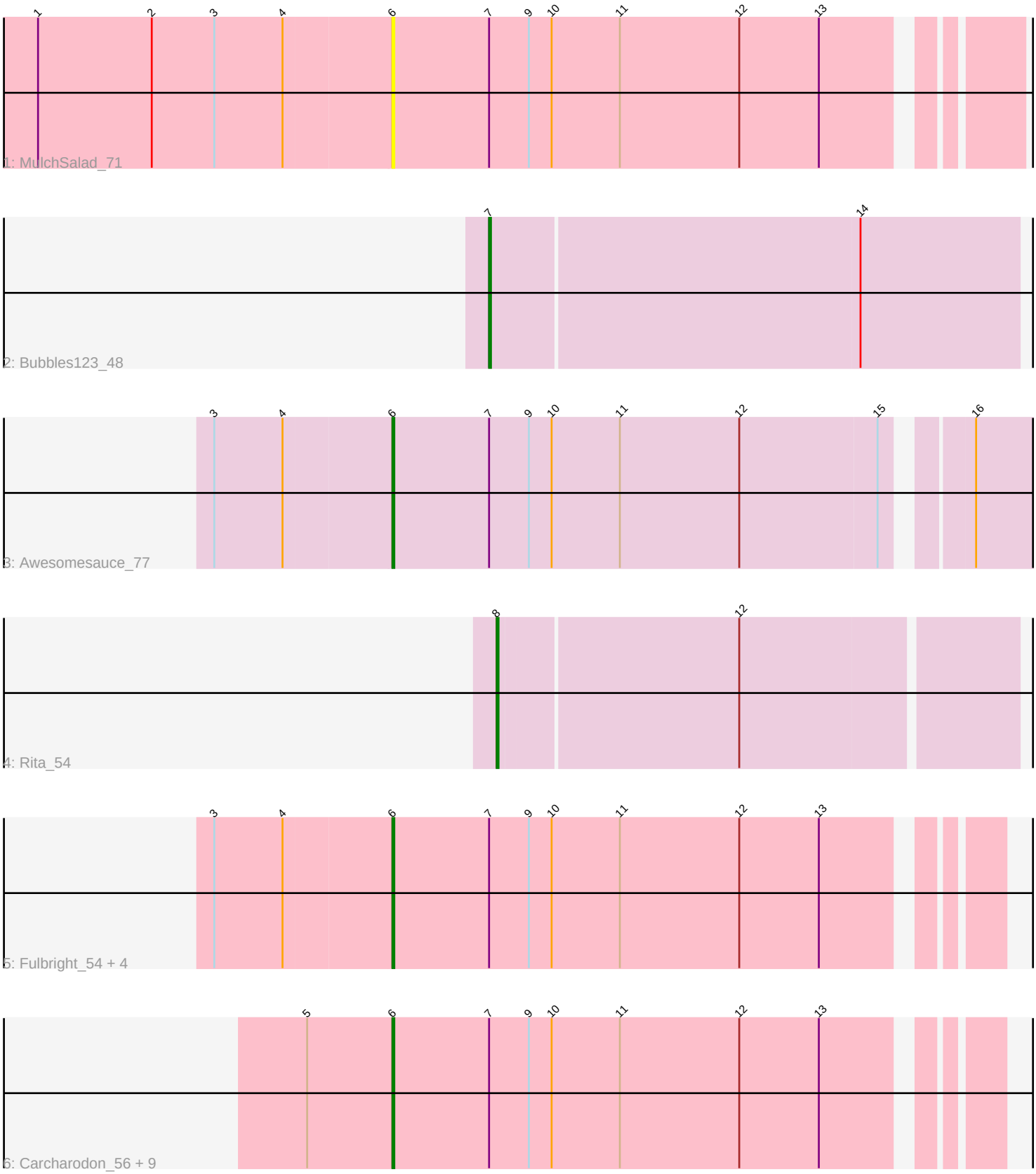
Pham 209000


1
2
3
4
6
7
9
10
11
12
13
1: MulchSalad_71
7
14
2: Bubbles123_48
3
4
6
7
9
10
11
12
15
16
3: Awesomesauce_77
8
12
4: Rita_54
3
4
6
7
9
10
11
12
13
5: Fulbright_54 + 4
5
6
7
9
10
11
12
13
6: Carcharodon_56 + 9

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 209000 Report

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

Pham number 209000 has 19 members, 4 are drafts.

Phages represented in each track:
• Track 1 : MulchSalad_71
• Track 2 : Bubbles123_48
• Track 3 : Awesomesauce_77
• Track 4 : Rita_54
• Track 5 : Fulbright_54, Aloeri_80, ChickenDinner_80, Misha28_76, TootsiePop_76
• Track 6 : Carcharodon_56, Schnauzer_57, Parmesanjohn_56, EGUnicorn_55, Pipsqueaks_57, Xerxes_56, Magsby_56, Phloss_54, Smurph_56, Gex_57

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 13 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloeri_80, Awesomesauce_77, Carcharodon_56, ChickenDinner_80, EGUnicorn_55, 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:
•

Genes that do not have the "Most Annotated" start:
• Bubbles123_48, Rita_54,

Summary by start number:

Start 6:
• Found in 17 of 19 (89.5%) of genes in pham
• Manual Annotations of this start: 13 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloeri_80 (F1), Awesomesauce_77 (F1), Carcharodon_56 (N), ChickenDinner_80 (F1), EGUnicorn_55 (N), Fulbright_54 (N), Gex_57 (N), Magsby_56 (N), Misha28_76 (F1), MulchSalad_71 (F),

Parmesanjohn_56 (N), Phloss_54 (N), Pipsqueaks_57 (N), Schnauzer_57 (N), Smurph_56 (N), TootsiePop_76 (F1), Xerxes_56 (N),

Start 7:
• Found in 18 of 19 (94.7%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 5.6% of time when present
• Phage (with cluster) where this start called: Bubbles123_48 (F1),

Start 8:
• Found in 1 of 19 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rita_54 (F1),

Summary by clusters:

There are 3 clusters represented in this pham: F1, F, N,

Info for manual annotations of cluster F1:
•Start number 6 was manually annotated 3 times for cluster F1.
•Start number 7 was manually annotated 1 time for cluster F1.
•Start number 8 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster N:
•Start number 6 was manually annotated 10 times for cluster N.

Gene Information:

Gene: Aloeri_80 Start: 48556, Stop: 48867, Start Num: 6
Candidate Starts for Aloeri_80:
(3, 48466), (4, 48502), (Start: 6 @48556 has 13 MA's), (Start: 7 @48607 has 1 MA's), (9, 48628), (10, 48640), (11, 48676), (12, 48739), (13, 48781),

Gene: Awesomesauce_77 Start: 48635, Stop: 49000, Start Num: 6
Candidate Starts for Awesomesauce_77:
(3, 48545), (4, 48581), (Start: 6 @48635 has 13 MA's), (Start: 7 @48686 has 1 MA's), (9, 48707), (10, 48719), (11, 48755), (12, 48818), (15, 48890), (16, 48926),

Gene: Bubbles123_48 Start: 37249, Stop: 37524, Start Num: 7
Candidate Starts for Bubbles123_48:
(Start: 7 @37249 has 1 MA's), (14, 37441),

Gene: Carcharodon_56 Start: 36662, Stop: 36964, Start Num: 6
Candidate Starts for Carcharodon_56:
(5, 36617), (Start: 6 @36662 has 13 MA's), (Start: 7 @36713 has 1 MA's), (9, 36734), (10, 36746), (11, 36782), (12, 36845), (13, 36887),

Gene: ChickenDinner_80 Start: 48556, Stop: 48867, Start Num: 6
Candidate Starts for ChickenDinner_80:

(3, 48466), (4, 48502), (Start: 6 @48556 has 13 MA's), (Start: 7 @48607 has 1 MA's), (9, 48628), (10, 48640), (11, 48676), (12, 48739), (13, 48781),

Gene: EGUnicorn_55 Start: 35499, Stop: 35801, Start Num: 6
Candidate Starts for EGUnicorn_55:
(5, 35454), (Start: 6 @35499 has 13 MA's), (Start: 7 @35550 has 1 MA's), (9, 35571), (10, 35583), (11, 35619), (12, 35682), (13, 35724),

Gene: Fulbright_54 Start: 35356, Stop: 35658, Start Num: 6
Candidate Starts for Fulbright_54:
(3, 35266), (4, 35302), (Start: 6 @35356 has 13 MA's), (Start: 7 @35407 has 1 MA's), (9, 35428), (10, 35440), (11, 35476), (12, 35539), (13, 35581),

Gene: Gex_57 Start: 36678, Stop: 36980, Start Num: 6
Candidate Starts for Gex_57:
(5, 36633), (Start: 6 @36678 has 13 MA's), (Start: 7 @36729 has 1 MA's), (9, 36750), (10, 36762), (11, 36798), (12, 36861), (13, 36903),

Gene: Magsby_56 Start: 36679, Stop: 36981, Start Num: 6
Candidate Starts for Magsby_56:
(5, 36634), (Start: 6 @36679 has 13 MA's), (Start: 7 @36730 has 1 MA's), (9, 36751), (10, 36763), (11, 36799), (12, 36862), (13, 36904),

Gene: Misha28_76 Start: 49081, Stop: 49392, Start Num: 6
Candidate Starts for Misha28_76:
(3, 48991), (4, 49027), (Start: 6 @49081 has 13 MA's), (Start: 7 @49132 has 1 MA's), (9, 49153), (10, 49165), (11, 49201), (12, 49264), (13, 49306),

Gene: MulchSalad_71 Start: 45317, Stop: 45628, Start Num: 6
Candidate Starts for MulchSalad_71:
(1, 45134), (2, 45194), (3, 45227), (4, 45263), (Start: 6 @45317 has 13 MA's), (Start: 7 @45368 has 1 MA's), (9, 45389), (10, 45401), (11, 45437), (12, 45500), (13, 45542),

Gene: Parmesanjohn_56 Start: 36682, Stop: 36984, Start Num: 6
Candidate Starts for Parmesanjohn_56:
(5, 36637), (Start: 6 @36682 has 13 MA's), (Start: 7 @36733 has 1 MA's), (9, 36754), (10, 36766), (11, 36802), (12, 36865), (13, 36907),

Gene: Phloss_54 Start: 36089, Stop: 36391, Start Num: 6
Candidate Starts for Phloss_54:
(5, 36044), (Start: 6 @36089 has 13 MA's), (Start: 7 @36140 has 1 MA's), (9, 36161), (10, 36173), (11, 36209), (12, 36272), (13, 36314),

Gene: Pipsqueaks_57 Start: 36660, Stop: 36962, Start Num: 6
Candidate Starts for Pipsqueaks_57:
(5, 36615), (Start: 6 @36660 has 13 MA's), (Start: 7 @36711 has 1 MA's), (9, 36732), (10, 36744), (11, 36780), (12, 36843), (13, 36885),

Gene: Rita_54 Start: 36643, Stop: 36906, Start Num: 8
Candidate Starts for Rita_54:
(Start: 8 @36643 has 1 MA's), (12, 36766),

Gene: Schnauzer_57 Start: 36682, Stop: 36984, Start Num: 6

Candidate Starts for Schnauzer_57:
(5, 36637), (Start: 6 @36682 has 13 MA's), (Start: 7 @36733 has 1 MA's), (9, 36754), (10, 36766), (11, 36802), (12, 36865), (13, 36907),

Gene: Smurph_56 Start: 36682, Stop: 36984, Start Num: 6
Candidate Starts for Smurph_56:
(5, 36637), (Start: 6 @36682 has 13 MA's), (Start: 7 @36733 has 1 MA's), (9, 36754), (10, 36766), (11, 36802), (12, 36865), (13, 36907),

Gene: TootsiePop_76 Start: 49081, Stop: 49392, Start Num: 6
Candidate Starts for TootsiePop_76:
(3, 48991), (4, 49027), (Start: 6 @49081 has 13 MA's), (Start: 7 @49132 has 1 MA's), (9, 49153), (10, 49165), (11, 49201), (12, 49264), (13, 49306),

Gene: Xerxes_56 Start: 36679, Stop: 36981, Start Num: 6
Candidate Starts for Xerxes_56:
(5, 36634), (Start: 6 @36679 has 13 MA's), (Start: 7 @36730 has 1 MA's), (9, 36751), (10, 36763), (11, 36799), (12, 36862), (13, 36904),