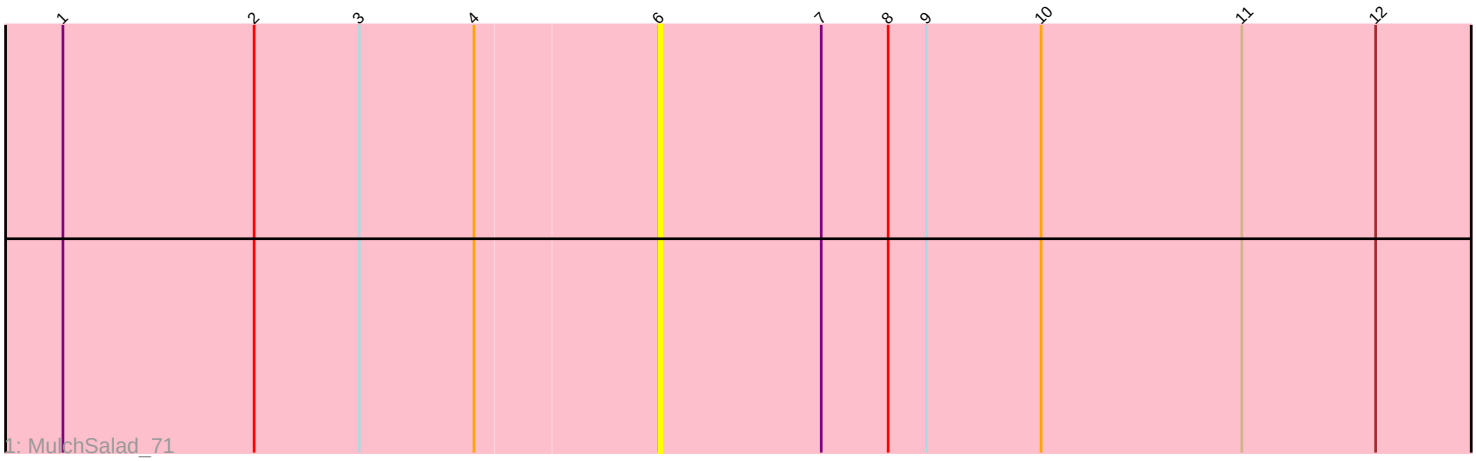
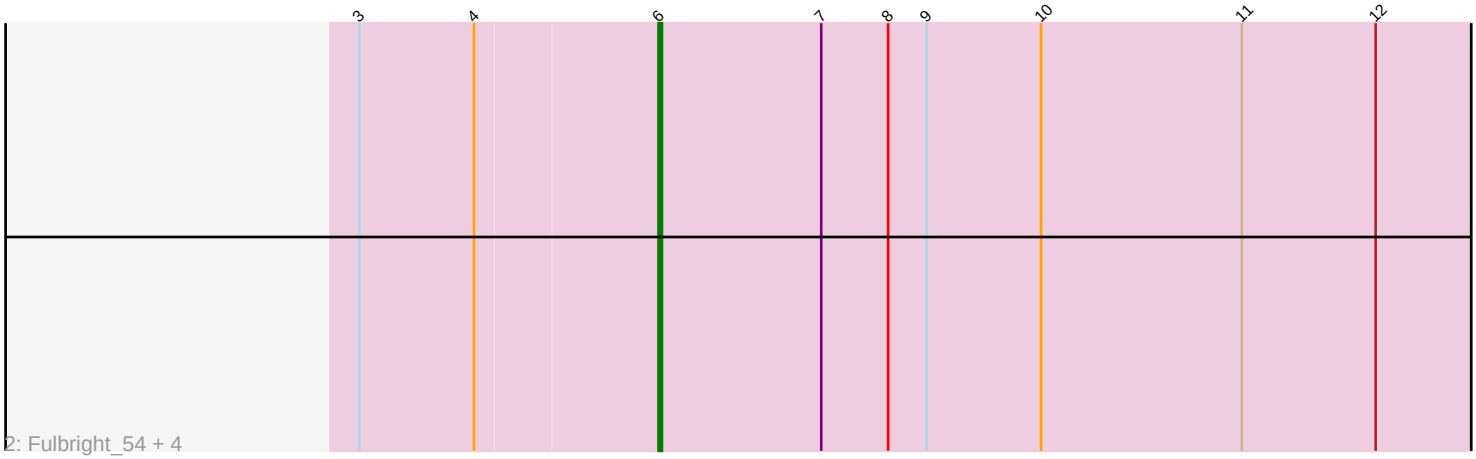
Pham 218380


1
2
3
4
6
7
8
9
10
11
12
1: MulchSalad_71


3
4
6
7
8
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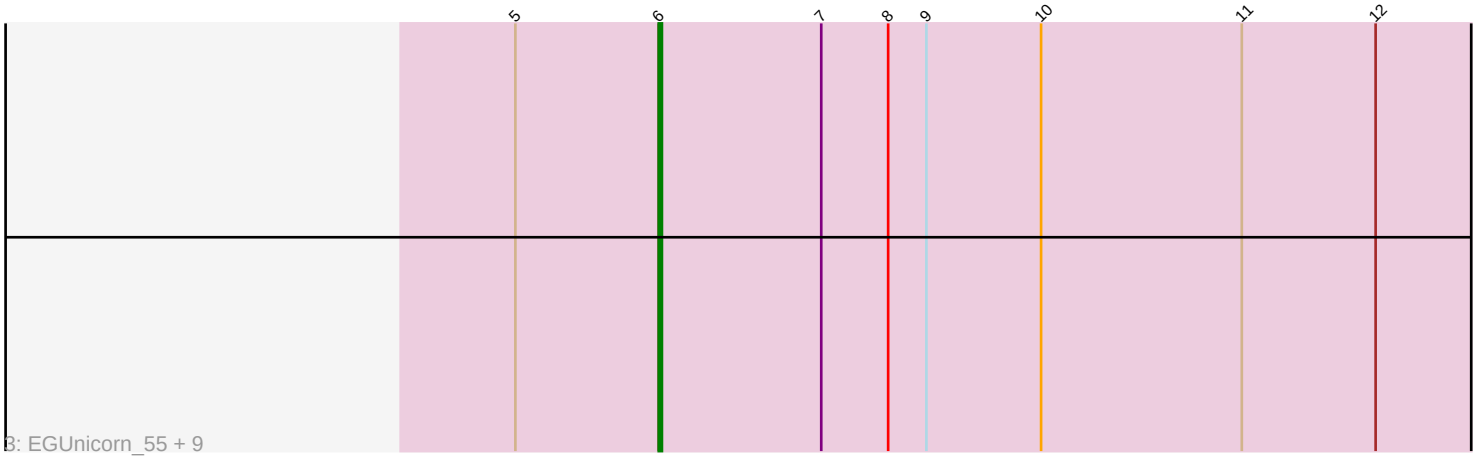
10
11
12
2: Fulbright_54 + 4


5
6
7
8
9
10
11
12
3: EGUnicorn_55 + 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 218380 Report

This analysis was run 03/28/25 on database version 593.

Pham number 218380 has 16 members, 4 are drafts.

Phages represented in each track:
• Track 1 : MulchSalad_71
• Track 2 : Fulbright_54, Misha28_76, Aloeri_80, ChickenDinner_80, TootsiePop_76
• Track 3 : EGUnicorn_55, Parmesanjohn_56, Carcharodon_56, Pipsqueaks_57, Xerxes_56, Magsby_56, Phloss_54, Schnauzer_57, 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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloeri_80, 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:
•

Summary by start number:

Start 6:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloeri_80 (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),

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 2 times 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 12 MA's), (7, 48607), (8, 48628), (9, 48640), (10, 48676), (11, 48739), (12, 48781),

Gene: Carcharodon_56 Start: 36662, Stop: 36964, Start Num: 6
Candidate Starts for Carcharodon_56:
(5, 36617), (Start: 6 @36662 has 12 MA's), (7, 36713), (8, 36734), (9, 36746), (10, 36782), (11, 36845), (12, 36887),

Gene: ChickenDinner_80 Start: 48556, Stop: 48867, Start Num: 6
Candidate Starts for ChickenDinner_80:
(3, 48466), (4, 48502), (Start: 6 @48556 has 12 MA's), (7, 48607), (8, 48628), (9, 48640), (10, 48676), (11, 48739), (12, 48781),

Gene: EGUnicorn_55 Start: 35499, Stop: 35801, Start Num: 6
Candidate Starts for EGUnicorn_55:
(5, 35454), (Start: 6 @35499 has 12 MA's), (7, 35550), (8, 35571), (9, 35583), (10, 35619), (11, 35682), (12, 35724),

Gene: Fulbright_54 Start: 35356, Stop: 35658, Start Num: 6
Candidate Starts for Fulbright_54:
(3, 35266), (4, 35302), (Start: 6 @35356 has 12 MA's), (7, 35407), (8, 35428), (9, 35440), (10, 35476), (11, 35539), (12, 35581),

Gene: Gex_57 Start: 36678, Stop: 36980, Start Num: 6
Candidate Starts for Gex_57:
(5, 36633), (Start: 6 @36678 has 12 MA's), (7, 36729), (8, 36750), (9, 36762), (10, 36798), (11, 36861), (12, 36903),

Gene: Magsby_56 Start: 36679, Stop: 36981, Start Num: 6
Candidate Starts for Magsby_56:
(5, 36634), (Start: 6 @36679 has 12 MA's), (7, 36730), (8, 36751), (9, 36763), (10, 36799), (11, 36862), (12, 36904),

Gene: Misha28_76 Start: 49081, Stop: 49392, Start Num: 6
Candidate Starts for Misha28_76:
(3, 48991), (4, 49027), (Start: 6 @49081 has 12 MA's), (7, 49132), (8, 49153), (9, 49165), (10, 49201), (11, 49264), (12, 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 12 MA's), (7, 45368), (8, 45389), (9, 45401), (10, 45437), (11, 45500), (12, 45542),

Gene: Parmesanjohn_56 Start: 36682, Stop: 36984, Start Num: 6
Candidate Starts for Parmesanjohn_56:
(5, 36637), (Start: 6 @36682 has 12 MA's), (7, 36733), (8, 36754), (9, 36766), (10, 36802), (11, 36865), (12, 36907),

Gene: Phloss_54 Start: 36089, Stop: 36391, Start Num: 6
Candidate Starts for Phloss_54:
(5, 36044), (Start: 6 @36089 has 12 MA's), (7, 36140), (8, 36161), (9, 36173), (10, 36209), (11, 36272), (12, 36314),

Gene: Pipsqueaks_57 Start: 36660, Stop: 36962, Start Num: 6
Candidate Starts for Pipsqueaks_57:
(5, 36615), (Start: 6 @36660 has 12 MA's), (7, 36711), (8, 36732), (9, 36744), (10, 36780), (11, 36843), (12, 36885),

Gene: Schnauzer_57 Start: 36682, Stop: 36984, Start Num: 6
Candidate Starts for Schnauzer_57:
(5, 36637), (Start: 6 @36682 has 12 MA's), (7, 36733), (8, 36754), (9, 36766), (10, 36802), (11, 36865), (12, 36907),

Gene: Smurph_56 Start: 36682, Stop: 36984, Start Num: 6
Candidate Starts for Smurph_56:
(5, 36637), (Start: 6 @36682 has 12 MA's), (7, 36733), (8, 36754), (9, 36766), (10, 36802), (11, 36865), (12, 36907),

Gene: TootsiePop_76 Start: 49081, Stop: 49392, Start Num: 6
Candidate Starts for TootsiePop_76:
(3, 48991), (4, 49027), (Start: 6 @49081 has 12 MA's), (7, 49132), (8, 49153), (9, 49165), (10, 49201), (11, 49264), (12, 49306),

Gene: Xerxes_56 Start: 36679, Stop: 36981, Start Num: 6
Candidate Starts for Xerxes_56:
(5, 36634), (Start: 6 @36679 has 12 MA's), (7, 36730), (8, 36751), (9, 36763), (10, 36799), (11, 36862), (12, 36904),