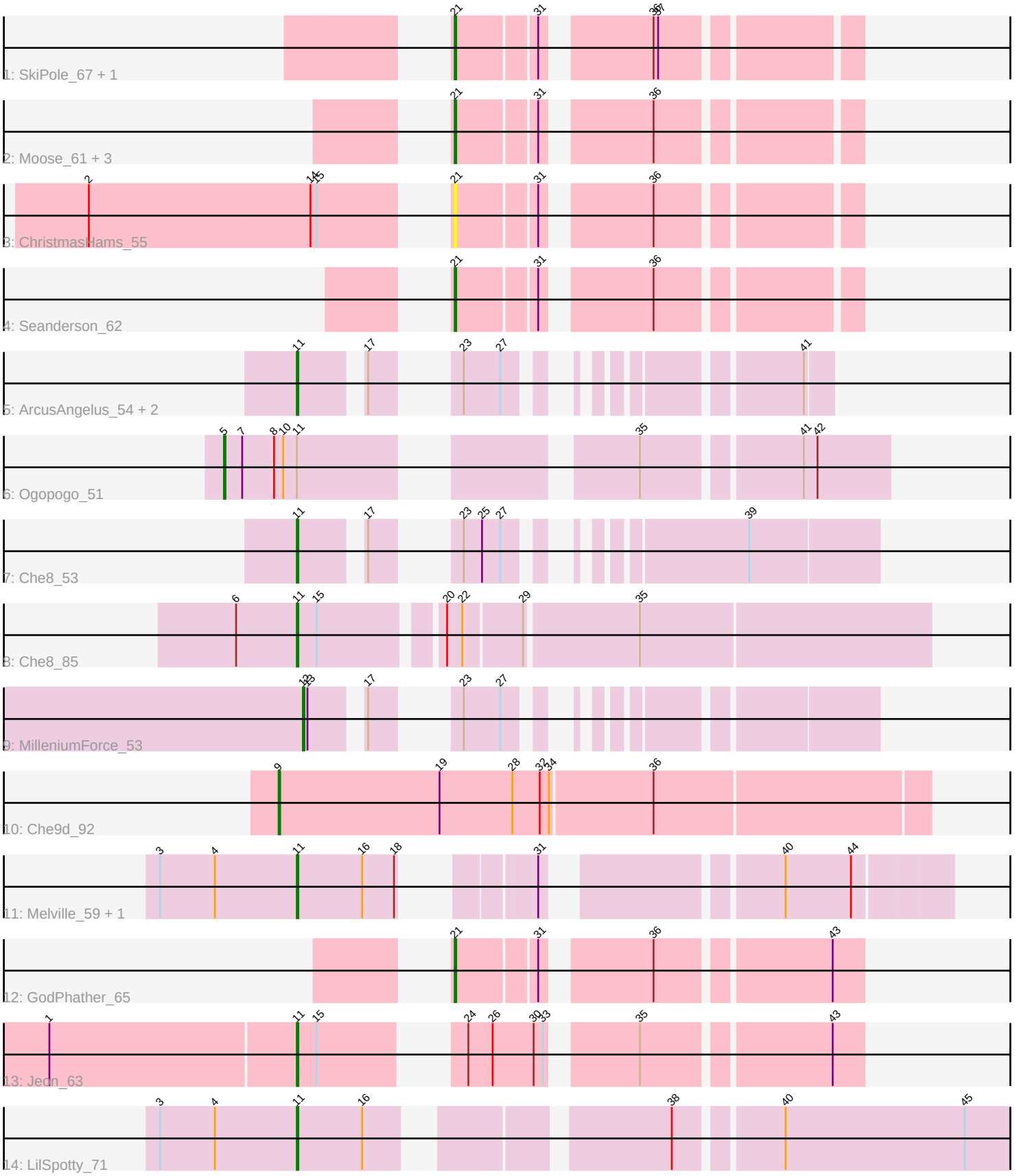
Pham 312020


1: SkiPole_67 + 1
2: Moose_61 + 3
3: ChristmasHams_55
4: Seanderson_62
5: ArcusAngelus_54 + 2
6: Ogopogo_51
7: Che8_53
8: Che8_85
9: MilleniumForce_53
10: Che9d_92
11: Melville_59 + 1
12: GodPhather_65
13: Jedn_63
14: LilSpotty_71

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 312020 Report

This analysis was run 06/27/26 on database version 652.

Pham number 312020 has 21 members, 1 are drafts.

Phages represented in each track:
• Track 1 : SkiPole_67, Pepe_58
• Track 2 : Moose_61, Forsytheast_61, Bruns_61, SwissCheese_63
• Track 3 : ChristmasHams_55
• Track 4 : Seanderson_62
• Track 5 : ArcusAngelus_54, Chevrolet_57, Royals2015_53
• Track 6 : Ogopogo_51
• Track 7 : Che8_53
• Track 8 : Che8_85
• Track 9 : MilleniumForce_53
• Track 10 : Che9d_92
• Track 11 : Melville_59, Duplicity_53
• Track 12 : GodPhather_65
• Track 13 : Jeon_63
• Track 14 : LilSpotty_71

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

The start number called the most often in the published annotations is 11, it was called in 9 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ArcusAngelus_54, Che8_53, Che8_85, Chevrolet_57, Duplicity_53, Jeon_63, LilSpotty_71, Melville_59, Royals2015_53,

Genes that have the "Most Annotated" start but do not call it:
• Ogopogo_51,

Genes that do not have the "Most Annotated" start:
• Bruns_61, Che9d_92, ChristmasHams_55, Forsytheast_61, GodPhather_65, MilleniumForce_53, Moose_61, Pepe_58, Seanderson_62, SkiPole_67, SwissCheese_63,

Summary by start number:

Start 5:
• 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: Ogopogo_51 (F1),

Start 9:
• 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: Che9d_92 (F2),

Start 11:
• Found in 10 of 21 (47.6%) of genes in pham
• Manual Annotations of this start: 9 of 20
• Called 90.0% of time when present
• Phage (with cluster) where this start called: ArcusAngelus_54 (F1), Che8_53 (F1), Che8_85 (F1), Chevrolet_57 (F1), Duplicity_53 (N), Jeon_63 (W), LilSpotty_71 (singleton), Melville_59 (N), Royals2015_53 (F1),

Start 12:
• 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: MilleniumForce_53 (F1),

Start 21:
• Found in 9 of 21 (42.9%) of genes in pham
• Manual Annotations of this start: 8 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bruns_61 (A1), ChristmasHams_55 (A1), Forsytheast_61 (A1), GodPhather_65 (W), Moose_61 (A1), Pepe_58 (A1), Seanderson_62 (A1), SkiPole_67 (A1), SwissCheese_63 (A1),

Summary by clusters:

There are 6 clusters represented in this pham: F1, singleton, F2, N, A1, W,

Info for manual annotations of cluster A1:
•Start number 21 was manually annotated 7 times for cluster A1.

Info for manual annotations of cluster F1:
•Start number 5 was manually annotated 1 time for cluster F1.
•Start number 11 was manually annotated 5 times for cluster F1.
•Start number 12 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:
•Start number 9 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster N:
•Start number 11 was manually annotated 2 times for cluster N.

Info for manual annotations of cluster W:

•Start number 11 was manually annotated 1 time for cluster W.
•Start number 21 was manually annotated 1 time for cluster W.

Gene Information:

Gene: ArcusAngelus_54 Start: 38017, Stop: 38256, Start Num: 11
Candidate Starts for ArcusAngelus_54:
(Start: 11 @38017 has 9 MA's), (17, 38050), (23, 38077), (27, 38101), (41, 38239),

Gene: Bruns_61 Start: 39972, Stop: 39745, Start Num: 21
Candidate Starts for Bruns_61:
(Start: 21 @39972 has 8 MA's), (31, 39924), (36, 39864),

Gene: Che8_53 Start: 37842, Stop: 38123, Start Num: 11
Candidate Starts for Che8_53:
(Start: 11 @37842 has 9 MA's), (17, 37875), (23, 37902), (25, 37914), (27, 37926), (39, 38040),

Gene: Che8_85 Start: 49488, Stop: 49877, Start Num: 11
Candidate Starts for Che8_85:
(6, 49449), (Start: 11 @49488 has 9 MA's), (15, 49500), (20, 49572), (22, 49581), (29, 49617), (35, 49689),

Gene: Che9d_92 Start: 49021, Stop: 49440, Start Num: 9
Candidate Starts for Che9d_92:
(Start: 9 @49021 has 1 MA's), (19, 49126), (28, 49174), (32, 49192), (34, 49198), (36, 49264),

Gene: Chevrolet_57 Start: 38018, Stop: 38257, Start Num: 11
Candidate Starts for Chevrolet_57:
(Start: 11 @38018 has 9 MA's), (17, 38051), (23, 38078), (27, 38102), (41, 38240),

Gene: ChristmasHams_55 Start: 38539, Stop: 38312, Start Num: 21
Candidate Starts for ChristmasHams_55:
(2, 38740), (14, 38596), (15, 38593), (Start: 21 @38539 has 8 MA's), (31, 38491), (36, 38431),

Gene: Duplicity_53 Start: 35954, Stop: 36301, Start Num: 11
Candidate Starts for Duplicity_53:
(3, 35864), (4, 35900), (Start: 11 @35954 has 9 MA's), (16, 35996), (18, 36017), (31, 36068), (40, 36197), (44, 36239),

Gene: Forsytheast_61 Start: 40140, Stop: 39913, Start Num: 21
Candidate Starts for Forsytheast_61:
(Start: 21 @40140 has 8 MA's), (31, 40092), (36, 40032),

Gene: GodPhather_65 Start: 49176, Stop: 49409, Start Num: 21
Candidate Starts for GodPhather_65:
(Start: 21 @49176 has 8 MA's), (31, 49224), (36, 49284), (43, 49389),

Gene: Jeon_63 Start: 48868, Stop: 49173, Start Num: 11
Candidate Starts for Jeon_63:
(1, 48709), (Start: 11 @48868 has 9 MA's), (15, 48880), (24, 48943), (26, 48958), (30, 48985), (33, 48991), (35, 49039), (43, 49153),

Gene: LilSpotty_71 Start: 43082, Stop: 43513, Start Num: 11
Candidate Starts for LilSpotty_71:
(3, 42992), (4, 43028), (Start: 11 @43082 has 9 MA's), (16, 43124), (38, 43286), (40, 43349), (45, 43466),

Gene: Melville_59 Start: 36268, Stop: 36615, Start Num: 11
Candidate Starts for Melville_59:
(3, 36178), (4, 36214), (Start: 11 @36268 has 9 MA's), (16, 36310), (18, 36331), (31, 36382), (40, 36511), (44, 36553),

Gene: MilleniumForce_53 Start: 38559, Stop: 38825, Start Num: 12
Candidate Starts for MilleniumForce_53:
(Start: 12 @38559 has 1 MA's), (13, 38562), (17, 38589), (23, 38616), (27, 38640),

Gene: Moose_61 Start: 40140, Stop: 39913, Start Num: 21
Candidate Starts for Moose_61:
(Start: 21 @40140 has 8 MA's), (31, 40092), (36, 40032),

Gene: Ogopogo_51 Start: 36143, Stop: 36514, Start Num: 5
Candidate Starts for Ogopogo_51:
(Start: 5 @36143 has 1 MA's), (7, 36155), (8, 36176), (10, 36182), (Start: 11 @36191 has 9 MA's), (35, 36362), (41, 36458), (42, 36467),

Gene: Pepe_58 Start: 39571, Stop: 39344, Start Num: 21
Candidate Starts for Pepe_58:
(Start: 21 @39571 has 8 MA's), (31, 39523), (36, 39463), (37, 39460),

Gene: Royals2015_53 Start: 36891, Stop: 37130, Start Num: 11
Candidate Starts for Royals2015_53:
(Start: 11 @36891 has 9 MA's), (17, 36924), (23, 36951), (27, 36975), (41, 37113),

Gene: Seanderson_62 Start: 42352, Stop: 42125, Start Num: 21
Candidate Starts for Seanderson_62:
(Start: 21 @42352 has 8 MA's), (31, 42304), (36, 42244),

Gene: SkiPole_67 Start: 41615, Stop: 41388, Start Num: 21
Candidate Starts for SkiPole_67:
(Start: 21 @41615 has 8 MA's), (31, 41567), (36, 41507), (37, 41504),

Gene: SwissCheese_63 Start: 40640, Stop: 40413, Start Num: 21
Candidate Starts for SwissCheese_63:
(Start: 21 @40640 has 8 MA's), (31, 40592), (36, 40532),