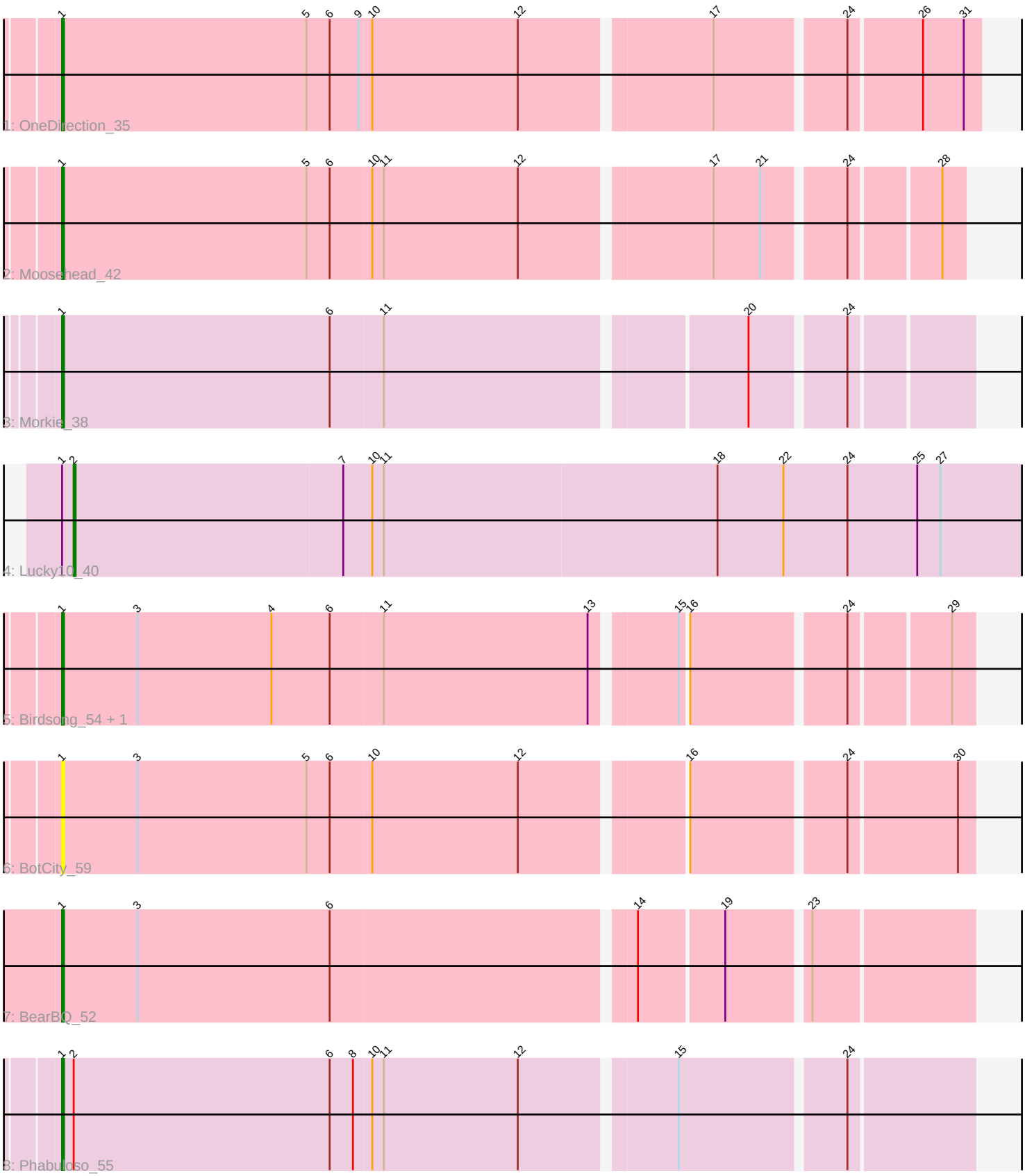
Pham 203587


1: OneDirection_35
2: Moosehead_42
3: Morkie_38
4: Lucky10_40
5: Birdsong_54 + 1
6: BotCity_59
7: BearBQ_52
8: Phabulosa_55

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 203587 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203587 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : OneDirection_35
• Track 2 : Moosehead_42
• Track 3 : Morkie_38
• Track 4 : Lucky10_40
• Track 5 : Birdsong_54, Asapag_54
• Track 6 : BotCity_59
• Track 7 : BearBQ_52
• Track 8 : Phabuloso_55

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

The start number called the most often in the published annotations is 1, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Asapag_54, BearBQ_52, Birdsong_54, BotCity_59, Moosehead_42, Morkie_38, OneDirection_35, Phabuloso_55,

Genes that have the "Most Annotated" start but do not call it:
• Lucky10_40,

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

Summary by start number:

Start 1:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Asapag_54 (DN1), BearBQ_52 (DN), Birdsong_54 (DN), BotCity_59 (DN), Moosehead_42 (CZ6), Morkie_38 (DH), OneDirection_35 (CZ6), Phabuloso_55 (DN1),

Start 2:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Lucky10_40 (DH),

Summary by clusters:

There are 4 clusters represented in this pham: DN, DN1, CZ6, DH,

Info for manual annotations of cluster CZ6:
•Start number 1 was manually annotated 2 times for cluster CZ6.

Info for manual annotations of cluster DH:
•Start number 1 was manually annotated 1 time for cluster DH.
•Start number 2 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DN:
•Start number 1 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 1 was manually annotated 2 times for cluster DN1.

Gene Information:

Gene: Asapag_54 Start: 35988, Stop: 36434, Start Num: 1
Candidate Starts for Asapag_54:
(Start: 1 @35988 has 7 MA's), (3, 36027), (4, 36096), (6, 36126), (11, 36153), (13, 36258), (15, 36297), (16, 36300), (24, 36375), (29, 36423),

Gene: BearBQ_52 Start: 37244, Stop: 37693, Start Num: 1
Candidate Starts for BearBQ_52:
(Start: 1 @37244 has 7 MA's), (3, 37283), (6, 37382), (14, 37532), (19, 37574), (23, 37613),

Gene: Birdsong_54 Start: 36209, Stop: 36655, Start Num: 1
Candidate Starts for Birdsong_54:
(Start: 1 @36209 has 7 MA's), (3, 36248), (4, 36317), (6, 36347), (11, 36374), (13, 36479), (15, 36518), (16, 36521), (24, 36596), (29, 36644),

Gene: BotCity_59 Start: 36755, Stop: 37204, Start Num: 1
Candidate Starts for BotCity_59:
(Start: 1 @36755 has 7 MA's), (3, 36794), (5, 36881), (6, 36893), (10, 36914), (12, 36989), (16, 37067), (24, 37142), (30, 37196),

Gene: Lucky10_40 Start: 31073, Stop: 31567, Start Num: 2
Candidate Starts for Lucky10_40:
(Start: 1 @31067 has 7 MA's), (Start: 2 @31073 has 1 MA's), (7, 31211), (10, 31226), (11, 31232), (18, 31403), (22, 31436), (24, 31469), (25, 31505), (27, 31517),

Gene: Moosehead_42 Start: 29238, Stop: 29681, Start Num: 1
Candidate Starts for Moosehead_42:

(Start: 1 @29238 has 7 MA's), (5, 29364), (6, 29376), (10, 29397), (11, 29403), (12, 29472), (17, 29565), (21, 29589), (24, 29628), (28, 29670),

Gene: Morkie_38 Start: 29113, Stop: 29559, Start Num: 1
Candidate Starts for Morkie_38:
(Start: 1 @29113 has 7 MA's), (6, 29251), (11, 29278), (20, 29455), (24, 29500),

Gene: OneDirection_35 Start: 27624, Stop: 28079, Start Num: 1
Candidate Starts for OneDirection_35:
(Start: 1 @27624 has 7 MA's), (5, 27750), (6, 27762), (9, 27777), (10, 27783), (12, 27858), (17, 27951), (24, 28014), (26, 28050), (31, 28071),

Gene: Phabuloso_55 Start: 36586, Stop: 37038, Start Num: 1
Candidate Starts for Phabuloso_55:
(Start: 1 @36586 has 7 MA's), (Start: 2 @36592 has 1 MA's), (6, 36724), (8, 36736), (10, 36745), (11, 36751), (12, 36820), (15, 36895), (24, 36976),