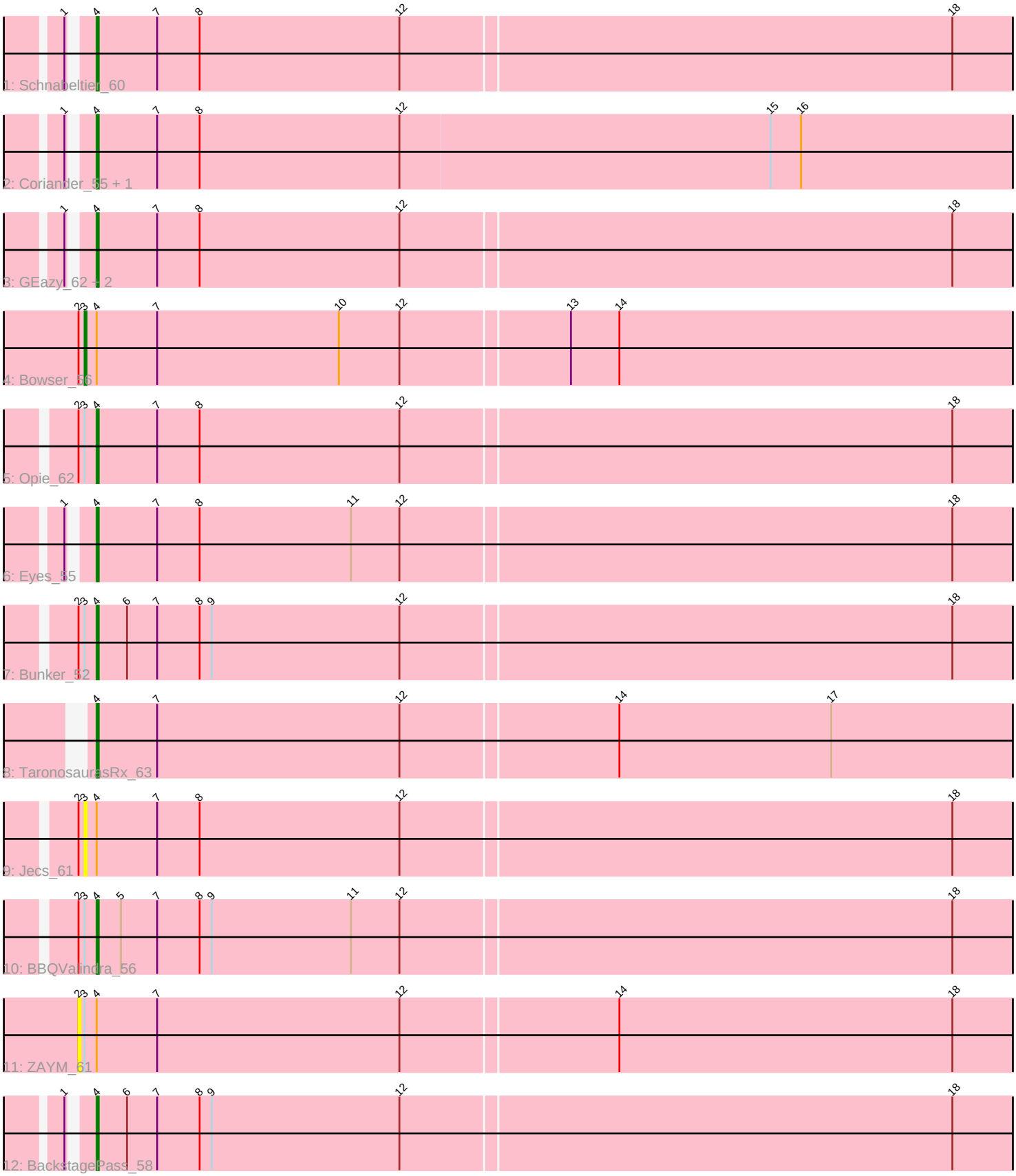
Pham 346267


1
4
7
8
12
18
1: Schnabeltier_60
1
4
7
8
12
15
16
2: Coriander_65 + 1
1
4
7
8
12
18
3: GEazy_62 + 2
23
4
7
10
12
13
14
4: Bowser_56
23
4
7
8
12
18
5: Opie_62
1
4
7
8
11
12
18
6: Eyes_55
23
4
6
7
8
9
12
18
7: Bunker_52
4
7
12
14
17
8: TaronosaurasRx_63
23
4
7
8
12
18
9: Jecs_61
23
4
5
7
8
9
11
12
18
10: BBQValindra_56
23
4
7
12
14
18
11: ZAYM_61
1
4
6
7
8
9
12
18
12: BackstagePass_58

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 346267 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346267 has 15 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Schnabeltier_60
• Track 2 : Coriander_55, Doggs_53
• Track 3 : GEazy_62, HannahD_59, NaLuna_60
• Track 4 : Bowser_56
• Track 5 : Opie_62
• Track 6 : Eyes_55
• Track 7 : Bunker_52
• Track 8 : TaronosaurasRx_63
• Track 9 : Jecs_61
• Track 10 : BBQValindra_56
• Track 11 : ZAYM_61
• Track 12 : BackstagePass_58

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

The start number called the most often in the published annotations is 4, it was called in 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BBQValindra_56, BackstagePass_58, Bunker_52, Coriander_55, Doggs_53, Eyes_55, GEazy_62, HannahD_59, NaLuna_60, Opie_62, Schnabeltier_60, TaronosaurasRx_63,

Genes that have the "Most Annotated" start but do not call it:
• Bowser_56, Jecs_61, ZAYM_61,

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

Summary by start number:

Start 2:
• Found in 6 of 15 (40.0%) of genes in pham
• No Manual Annotations of this start.

• Called 16.7% of time when present
• Phage (with cluster) where this start called: ZAYM_61 (DB),

Start 3:
• Found in 6 of 15 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Bowser_56 (DB), Jecs_61 (DB),

Start 4:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 12
• Called 80.0% of time when present
• Phage (with cluster) where this start called: BBQValindra_56 (DB), BackstagePass_58 (DB), Bunker_52 (DB), Coriander_55 (DB), Doggs_53 (DB), Eyes_55 (DB), GEazy_62 (DB), HannahD_59 (DB), NaLuna_60 (DB), Opie_62 (DB), Schnabeltier_60 (DB), TaronosaurasRx_63 (DB),

Summary by clusters:

There is one cluster represented in this pham: DB

Info for manual annotations of cluster DB:
•Start number 3 was manually annotated 1 time for cluster DB.
•Start number 4 was manually annotated 11 times for cluster DB.

Gene Information:

Gene: BBQValindra_56 Start: 40188, Stop: 40664, Start Num: 4
Candidate Starts for BBQValindra_56:
(2, 40179), (Start: 3 @40182 has 1 MA's), (Start: 4 @40188 has 11 MA's), (5, 40200), (7, 40218), (8, 40239), (9, 40245), (11, 40314), (12, 40338), (18, 40608),

Gene: BackstagePass_58 Start: 39602, Stop: 40078, Start Num: 4
Candidate Starts for BackstagePass_58:
(1, 39593), (Start: 4 @39602 has 11 MA's), (6, 39617), (7, 39632), (8, 39653), (9, 39659), (12, 39752), (18, 40022),

Gene: Bowser_56 Start: 39908, Stop: 40390, Start Num: 3
Candidate Starts for Bowser_56:
(2, 39905), (Start: 3 @39908 has 1 MA's), (Start: 4 @39914 has 11 MA's), (7, 39944), (10, 40034), (12, 40064), (13, 40145), (14, 40169),

Gene: Bunker_52 Start: 38495, Stop: 38971, Start Num: 4
Candidate Starts for Bunker_52:
(2, 38486), (Start: 3 @38489 has 1 MA's), (Start: 4 @38495 has 11 MA's), (6, 38510), (7, 38525), (8, 38546), (9, 38552), (12, 38645), (18, 38915),

Gene: Coriander_55 Start: 38632, Stop: 39132, Start Num: 4
Candidate Starts for Coriander_55:

(1, 38623), (Start: 4 @38632 has 11 MA's), (7, 38662), (8, 38683), (12, 38782), (15, 38965), (16, 38980),

Gene: Doggs_53 Start: 38951, Stop: 39436, Start Num: 4
Candidate Starts for Doggs_53:
(1, 38942), (Start: 4 @38951 has 11 MA's), (7, 38981), (8, 39002), (12, 39101), (15, 39284), (16, 39299),

Gene: Eyes_55 Start: 39963, Stop: 40439, Start Num: 4
Candidate Starts for Eyes_55:
(1, 39954), (Start: 4 @39963 has 11 MA's), (7, 39993), (8, 40014), (11, 40089), (12, 40113), (18, 40383),

Gene: GEazy_62 Start: 40145, Stop: 40621, Start Num: 4
Candidate Starts for GEazy_62:
(1, 40136), (Start: 4 @40145 has 11 MA's), (7, 40175), (8, 40196), (12, 40295), (18, 40565),

Gene: HannahD_59 Start: 39512, Stop: 39988, Start Num: 4
Candidate Starts for HannahD_59:
(1, 39503), (Start: 4 @39512 has 11 MA's), (7, 39542), (8, 39563), (12, 39662), (18, 39932),

Gene: Jecs_61 Start: 40348, Stop: 40830, Start Num: 3
Candidate Starts for Jecs_61:
(2, 40345), (Start: 3 @40348 has 1 MA's), (Start: 4 @40354 has 11 MA's), (7, 40384), (8, 40405), (12, 40504), (18, 40774),

Gene: NaLuna_60 Start: 39512, Stop: 39988, Start Num: 4
Candidate Starts for NaLuna_60:
(1, 39503), (Start: 4 @39512 has 11 MA's), (7, 39542), (8, 39563), (12, 39662), (18, 39932),

Gene: Opie_62 Start: 41230, Stop: 41706, Start Num: 4
Candidate Starts for Opie_62:
(2, 41221), (Start: 3 @41224 has 1 MA's), (Start: 4 @41230 has 11 MA's), (7, 41260), (8, 41281), (12, 41380), (18, 41650),

Gene: Schnabeltier_60 Start: 40546, Stop: 41022, Start Num: 4
Candidate Starts for Schnabeltier_60:
(1, 40537), (Start: 4 @40546 has 11 MA's), (7, 40576), (8, 40597), (12, 40696), (18, 40966),

Gene: TaronosaurasRx_63 Start: 40546, Stop: 41022, Start Num: 4
Candidate Starts for TaronosaurasRx_63:
(Start: 4 @40546 has 11 MA's), (7, 40576), (12, 40696), (14, 40801), (17, 40906),

Gene: ZAYM_61 Start: 40256, Stop: 40741, Start Num: 2
Candidate Starts for ZAYM_61:
(2, 40256), (Start: 3 @40259 has 1 MA's), (Start: 4 @40265 has 11 MA's), (7, 40295), (12, 40415), (14, 40520), (18, 40685),