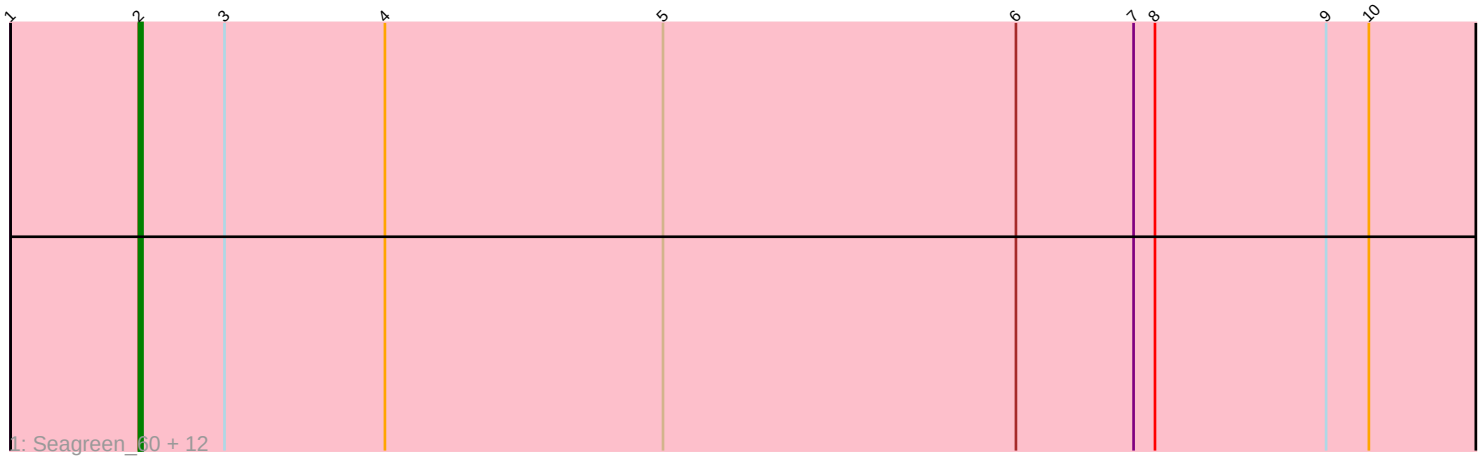
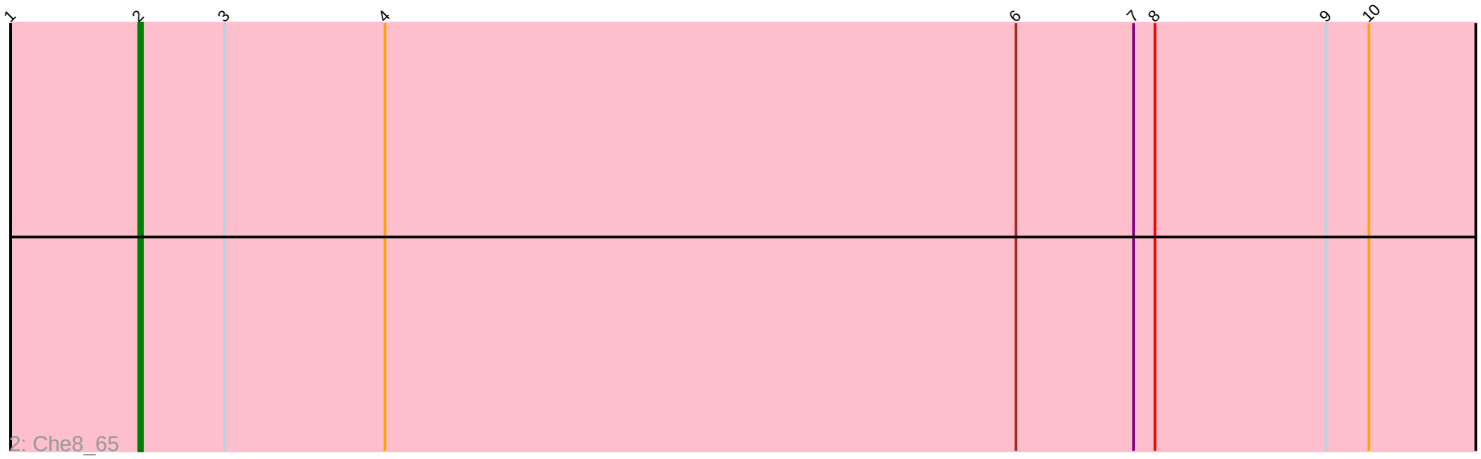
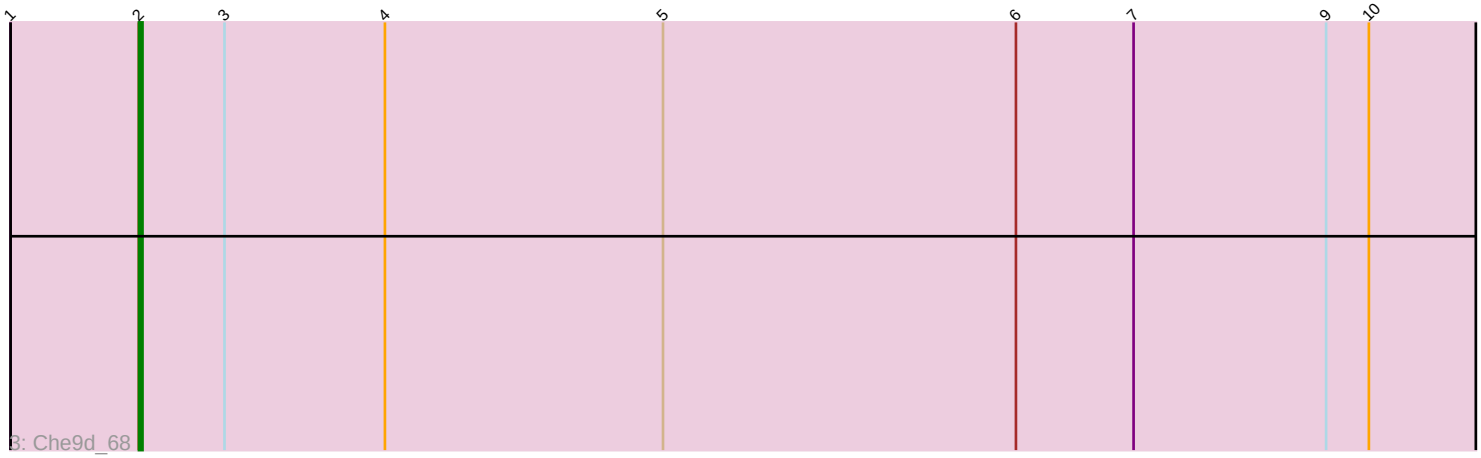
Pham 86985


1
2
3
4
5
6
7
8
9
10
1: Seagreen_60 + 12


1
2
3
4
6
7
8
9
10
2: Che8_65


1
2
3
4
5
6
7
9
10
3: Che9d_68

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 86985 Report

This analysis was run 04/28/24 on database version 559.

Pham number 86985 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Seagreen_60, Sarma624_58, Cerasum_56, Ovechkin_59, JalFarm20_73, BigPhil_56, Kingsley_57, DotProduct_55, Harley_63, Royals2015_63, Coco12_59, Velveteen_55, Juice456_61
• Track 2 : Che8_65
• Track 3 : Che9d_68

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

The start number called the most often in the published annotations is 2, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BigPhil_56, Cerasum_56, Che8_65, Che9d_68, Coco12_59, DotProduct_55, Harley_63, JalFarm20_73, Juice456_61, Kingsley_57, Ovechkin_59, Royals2015_63, Sarma624_58, Seagreen_60, Velveteen_55,

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 2:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BigPhil_56 (F1), Cerasum_56 (F1), Che8_65 (F1), Che9d_68 (F2), Coco12_59 (F1), DotProduct_55 (F1), Harley_63 (F1), JalFarm20_73 (F1), Juice456_61 (F1), Kingsley_57 (F1), Ovechkin_59 (F1), Royals2015_63 (F1), Sarma624_58 (F1), Seagreen_60 (F1), Velveteen_55 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, F2,

Info for manual annotations of cluster F1:
•Start number 2 was manually annotated 14 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 2 was manually annotated 1 time for cluster F2.

Gene Information:

Gene: BigPhil_56 Start: 36346, Stop: 36993, Start Num: 2
Candidate Starts for BigPhil_56:
(1, 36310), (Start: 2 @36346 has 15 MA's), (3, 36370), (4, 36415), (5, 36493), (6, 36592), (7, 36625), (8, 36631), (9, 36679), (10, 36691),

Gene: Cerasum_56 Start: 36364, Stop: 37011, Start Num: 2
Candidate Starts for Cerasum_56:
(1, 36328), (Start: 2 @36364 has 15 MA's), (3, 36388), (4, 36433), (5, 36511), (6, 36610), (7, 36643), (8, 36649), (9, 36697), (10, 36709),

Gene: Che8_65 Start: 42853, Stop: 43500, Start Num: 2
Candidate Starts for Che8_65:
(1, 42817), (Start: 2 @42853 has 15 MA's), (3, 42877), (4, 42922), (6, 43099), (7, 43132), (8, 43138), (9, 43186), (10, 43198),

Gene: Che9d_68 Start: 39935, Stop: 40582, Start Num: 2
Candidate Starts for Che9d_68:
(1, 39899), (Start: 2 @39935 has 15 MA's), (3, 39959), (4, 40004), (5, 40082), (6, 40181), (7, 40214), (9, 40268), (10, 40280),

Gene: Coco12_59 Start: 40421, Stop: 41068, Start Num: 2
Candidate Starts for Coco12_59:
(1, 40385), (Start: 2 @40421 has 15 MA's), (3, 40445), (4, 40490), (5, 40568), (6, 40667), (7, 40700), (8, 40706), (9, 40754), (10, 40766),

Gene: DotProduct_55 Start: 38942, Stop: 39589, Start Num: 2
Candidate Starts for DotProduct_55:
(1, 38906), (Start: 2 @38942 has 15 MA's), (3, 38966), (4, 39011), (5, 39089), (6, 39188), (7, 39221), (8, 39227), (9, 39275), (10, 39287),

Gene: Harley_63 Start: 41008, Stop: 41655, Start Num: 2
Candidate Starts for Harley_63:
(1, 40972), (Start: 2 @41008 has 15 MA's), (3, 41032), (4, 41077), (5, 41155), (6, 41254), (7, 41287), (8, 41293), (9, 41341), (10, 41353),

Gene: JalFarm20_73 Start: 44156, Stop: 44803, Start Num: 2
Candidate Starts for JalFarm20_73:
(1, 44120), (Start: 2 @44156 has 15 MA's), (3, 44180), (4, 44225), (5, 44303), (6, 44402), (7, 44435), (8, 44441), (9, 44489), (10, 44501),

Gene: Juice456_61 Start: 42112, Stop: 42759, Start Num: 2
Candidate Starts for Juice456_61:
(1, 42076), (Start: 2 @42112 has 15 MA's), (3, 42136), (4, 42181), (5, 42259), (6, 42358), (7, 42391), (8, 42397), (9, 42445), (10, 42457),

Gene: Kingsley_57 Start: 39154, Stop: 39801, Start Num: 2
Candidate Starts for Kingsley_57:
(1, 39118), (Start: 2 @39154 has 15 MA's), (3, 39178), (4, 39223), (5, 39301), (6, 39400), (7, 39433), (8, 39439), (9, 39487), (10, 39499),

Gene: Ovechkin_59 Start: 40656, Stop: 41303, Start Num: 2
Candidate Starts for Ovechkin_59:
(1, 40620), (Start: 2 @40656 has 15 MA's), (3, 40680), (4, 40725), (5, 40803), (6, 40902), (7, 40935), (8, 40941), (9, 40989), (10, 41001),

Gene: Royals2015_63 Start: 40176, Stop: 40823, Start Num: 2
Candidate Starts for Royals2015_63:
(1, 40140), (Start: 2 @40176 has 15 MA's), (3, 40200), (4, 40245), (5, 40323), (6, 40422), (7, 40455), (8, 40461), (9, 40509), (10, 40521),

Gene: Sarma624_58 Start: 36346, Stop: 36993, Start Num: 2
Candidate Starts for Sarma624_58:
(1, 36310), (Start: 2 @36346 has 15 MA's), (3, 36370), (4, 36415), (5, 36493), (6, 36592), (7, 36625), (8, 36631), (9, 36679), (10, 36691),

Gene: Seagreen_60 Start: 39745, Stop: 40392, Start Num: 2
Candidate Starts for Seagreen_60:
(1, 39709), (Start: 2 @39745 has 15 MA's), (3, 39769), (4, 39814), (5, 39892), (6, 39991), (7, 40024), (8, 40030), (9, 40078), (10, 40090),

Gene: Velveteen_55 Start: 36346, Stop: 36993, Start Num: 2
Candidate Starts for Velveteen_55:
(1, 36310), (Start: 2 @36346 has 15 MA's), (3, 36370), (4, 36415), (5, 36493), (6, 36592), (7, 36625), (8, 36631), (9, 36679), (10, 36691),