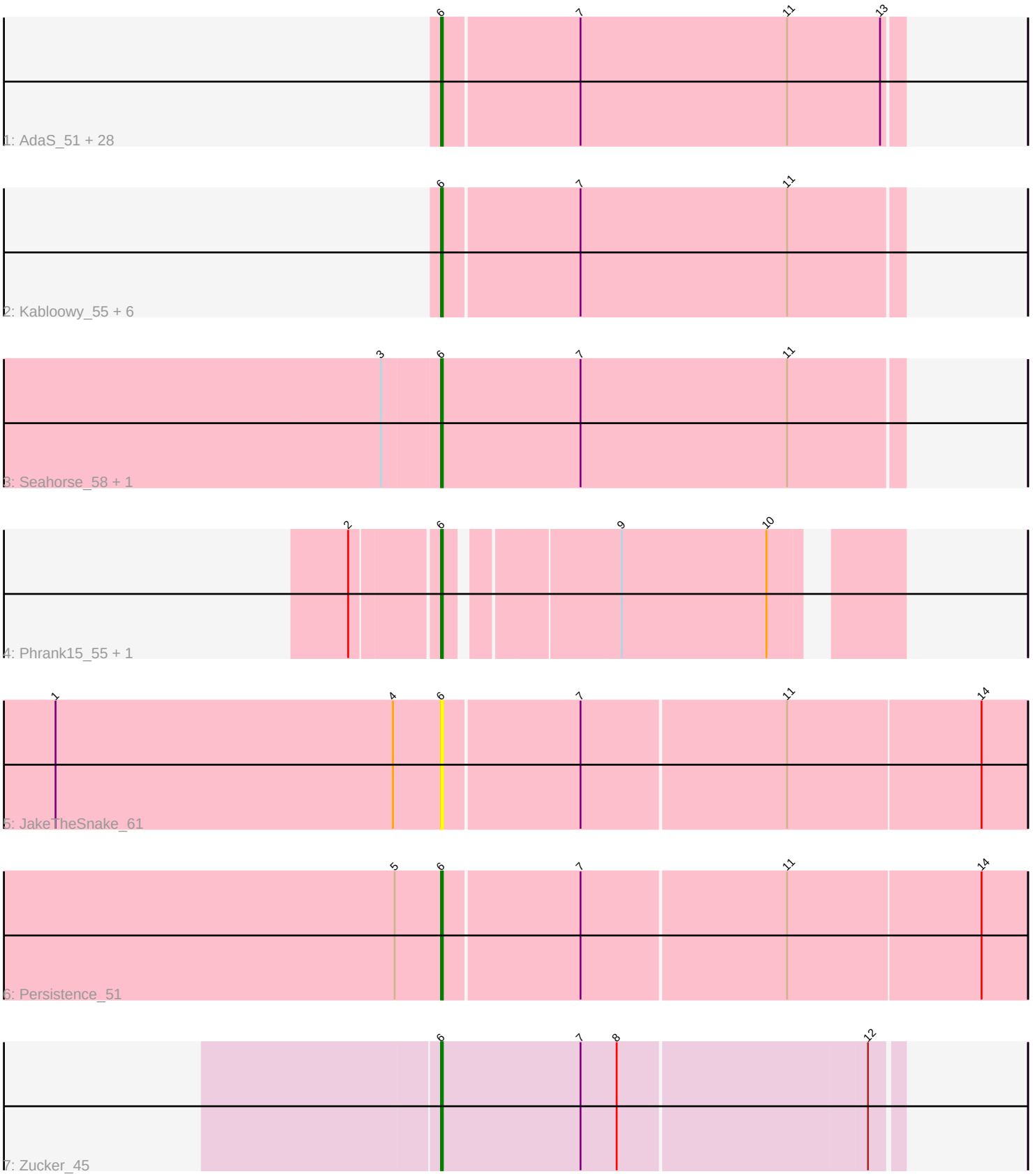
Pham 345885


6
7
11
13
1: AdaS_51 + 28
6
7
11
2: Kabloowy_55 + 6
3
6
7
11
3: Seahorse_58 + 1
2
6
9
10
4: Phrank15_55 + 1
1
4
6
7
11
14
5: JakeTheSnake_61
5
6
7
11
14
6: Persistence_51
6
7
8
12
7: Zucker_45

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 345885 Report

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

Pham number 345885 has 43 members, 5 are drafts.

Phages represented in each track:
• Track 1 : AdaS_51, Anekin_52, ThayneTheZag_56, Mapleville_51, Lasker_54, EvePickles_51, BenchScraper_54, Vopal_58, Crescenzo_55, BillyTP_57, Sakai_54, SpicyFrank_58, Richie_57, CookieBear_55, Isolde_54, Faja_56, Cassini_49, JellyBread_52, Tiff81_51, Sashimi_55, Auxilium_51, Satrap_56, BlueShadow_55, MidnightRain_59, Gorpy_55, YoungHarleezy_55, BasketStar_57, DarwinJr_57, Globfish_55
• Track 2 : Kabloowy_55, SonDevVon_59, Hillester_59, Raphaella_54, Lawnathon_56, NewKitty_57, RadFad_59
• Track 3 : Seahorse_58, AbbyDaisy_54
• Track 4 : Phrank15_55, Bhageatrice_55
• Track 5 : JakeTheSnake_61
• Track 6 : Persistence_51
• Track 7 : Zucker_45

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 38 of the 38 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_54, AdaS_51, Anekin_52, Auxilium_51, BasketStar_57, BenchScraper_54, Bhageatrice_55, BillyTP_57, BlueShadow_55, Cassini_49, CookieBear_55, Crescenzo_55, DarwinJr_57, EvePickles_51, Faja_56, Globfish_55, Gorpy_55, Hillester_59, Isolde_54, JakeTheSnake_61, JellyBread_52, Kabloowy_55, Lasker_54, Lawnathon_56, Mapleville_51, MidnightRain_59, NewKitty_57, Persistence_51, Phrank15_55, RadFad_59, Raphaella_54, Richie_57, Sakai_54, Sashimi_55, Satrap_56, Seahorse_58, SonDevVon_59, SpicyFrank_58, ThayneTheZag_56, Tiff81_51, Vopal_58, YoungHarleezy_55, Zucker_45,

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 43 of 43 (100.0%) of genes in pham
• Manual Annotations of this start: 38 of 38
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_54 (AY), AdaS_51 (AY), Anekin_52 (AY), Auxilium_51 (AY), BasketStar_57 (AY), BenchScraper_54 (AY), Bhageatrice_55 (AY), BillyTP_57 (AY), BlueShadow_55 (AY), Cassini_49 (FN), CookieBear_55 (AY), Crescenzo_55 (AY), DarwinJr_57 (AY), EvePickles_51 (AY), Faja_56 (AY), Globfish_55 (AY), Gorpy_55 (AY), Hillester_59 (AY), Isolde_54 (AY), JakeTheSnake_61 (AY), JellyBread_52 (AY), Kabloowy_55 (AY), Lasker_54 (AY), Lawnathon_56 (AY), Mapleville_51 (AY), MidnightRain_59 (AY), NewKitty_57 (AY), Persistence_51 (AY), Phrank15_55 (AY), RadFad_59 (AY), Raphaella_54 (AY), Richie_57 (AY), Sakai_54 (AY), Sashimi_55 (AY), Satrap_56 (AY), Seahorse_58 (AY), SonDevVon_59 (AY), SpicyFrank_58 (AY), ThayneTheZag_56 (AY), Tiff81_51 (AY), Vopal_58 (AY), YoungHarleezy_55 (AY), Zucker_45 (FN),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FN,

Info for manual annotations of cluster AY:
•Start number 6 was manually annotated 36 times for cluster AY.

Info for manual annotations of cluster FN:
•Start number 6 was manually annotated 2 times for cluster FN.

Gene Information:

Gene: AbbyDaisy_54 Start: 33151, Stop: 33417, Start Num: 6
Candidate Starts for AbbyDaisy_54:
(3, 33118), (Start: 6 @33151 has 38 MA's), (7, 33232), (11, 33352),

Gene: AdaS_51 Start: 31094, Stop: 31357, Start Num: 6
Candidate Starts for AdaS_51:
(Start: 6 @31094 has 38 MA's), (7, 31172), (11, 31292), (13, 31346),

Gene: Anekin_52 Start: 32704, Stop: 32967, Start Num: 6
Candidate Starts for Anekin_52:
(Start: 6 @32704 has 38 MA's), (7, 32782), (11, 32902), (13, 32956),

Gene: Auxilium_51 Start: 30422, Stop: 30685, Start Num: 6
Candidate Starts for Auxilium_51:
(Start: 6 @30422 has 38 MA's), (7, 30500), (11, 30620), (13, 30674),

Gene: BasketStar_57 Start: 33764, Stop: 34027, Start Num: 6
Candidate Starts for BasketStar_57:
(Start: 6 @33764 has 38 MA's), (7, 33842), (11, 33962), (13, 34016),

Gene: BenchScraper_54 Start: 32588, Stop: 32851, Start Num: 6
Candidate Starts for BenchScraper_54:
(Start: 6 @32588 has 38 MA's), (7, 32666), (11, 32786), (13, 32840),

Gene: Bhageatrice_55 Start: 34194, Stop: 34430, Start Num: 6
Candidate Starts for Bhageatrice_55:
(2, 34146), (Start: 6 @34194 has 38 MA's), (9, 34284), (10, 34368),

Gene: BillyTP_57 Start: 34460, Stop: 34723, Start Num: 6
Candidate Starts for BillyTP_57:
(Start: 6 @34460 has 38 MA's), (7, 34538), (11, 34658), (13, 34712),

Gene: BlueShadow_55 Start: 33250, Stop: 33513, Start Num: 6
Candidate Starts for BlueShadow_55:
(Start: 6 @33250 has 38 MA's), (7, 33328), (11, 33448), (13, 33502),

Gene: Cassini_49 Start: 31523, Stop: 31786, Start Num: 6
Candidate Starts for Cassini_49:
(Start: 6 @31523 has 38 MA's), (7, 31601), (11, 31721), (13, 31775),

Gene: CookieBear_55 Start: 32844, Stop: 33107, Start Num: 6
Candidate Starts for CookieBear_55:
(Start: 6 @32844 has 38 MA's), (7, 32922), (11, 33042), (13, 33096),

Gene: Crescenzo_55 Start: 33755, Stop: 34018, Start Num: 6
Candidate Starts for Crescenzo_55:
(Start: 6 @33755 has 38 MA's), (7, 33833), (11, 33953), (13, 34007),

Gene: DarwinJr_57 Start: 33823, Stop: 34086, Start Num: 6
Candidate Starts for DarwinJr_57:
(Start: 6 @33823 has 38 MA's), (7, 33901), (11, 34021), (13, 34075),

Gene: EvePickles_51 Start: 33044, Stop: 33307, Start Num: 6
Candidate Starts for EvePickles_51:
(Start: 6 @33044 has 38 MA's), (7, 33122), (11, 33242), (13, 33296),

Gene: Faja_56 Start: 34428, Stop: 34691, Start Num: 6
Candidate Starts for Faja_56:
(Start: 6 @34428 has 38 MA's), (7, 34506), (11, 34626), (13, 34680),

Gene: Globfish_55 Start: 32943, Stop: 33206, Start Num: 6
Candidate Starts for Globfish_55:
(Start: 6 @32943 has 38 MA's), (7, 33021), (11, 33141), (13, 33195),

Gene: Gorpy_55 Start: 33836, Stop: 34099, Start Num: 6
Candidate Starts for Gorpy_55:
(Start: 6 @33836 has 38 MA's), (7, 33914), (11, 34034), (13, 34088),

Gene: Hillester_59 Start: 34186, Stop: 34449, Start Num: 6
Candidate Starts for Hillester_59:
(Start: 6 @34186 has 38 MA's), (7, 34264), (11, 34384),

Gene: Isolde_54 Start: 32513, Stop: 32776, Start Num: 6

Candidate Starts for Isolde_54:
(Start: 6 @32513 has 38 MA's), (7, 32591), (11, 32711), (13, 32765),

Gene: JakeTheSnake_61 Start: 35289, Stop: 35621, Start Num: 6
Candidate Starts for JakeTheSnake_61:
(1, 35067), (4, 35262), (Start: 6 @35289 has 38 MA's), (7, 35367), (11, 35484), (14, 35595),

Gene: JellyBread_52 Start: 31634, Stop: 31897, Start Num: 6
Candidate Starts for JellyBread_52:
(Start: 6 @31634 has 38 MA's), (7, 31712), (11, 31832), (13, 31886),

Gene: Kabloowy_55 Start: 33527, Stop: 33790, Start Num: 6
Candidate Starts for Kabloowy_55:
(Start: 6 @33527 has 38 MA's), (7, 33605), (11, 33725),

Gene: Lasker_54 Start: 33288, Stop: 33551, Start Num: 6
Candidate Starts for Lasker_54:
(Start: 6 @33288 has 38 MA's), (7, 33366), (11, 33486), (13, 33540),

Gene: Lawnathon_56 Start: 33002, Stop: 33265, Start Num: 6
Candidate Starts for Lawnathon_56:
(Start: 6 @33002 has 38 MA's), (7, 33080), (11, 33200),

Gene: Mapleville_51 Start: 32336, Stop: 32599, Start Num: 6
Candidate Starts for Mapleville_51:
(Start: 6 @32336 has 38 MA's), (7, 32414), (11, 32534), (13, 32588),

Gene: MidnightRain_59 Start: 34366, Stop: 34629, Start Num: 6
Candidate Starts for MidnightRain_59:
(Start: 6 @34366 has 38 MA's), (7, 34444), (11, 34564), (13, 34618),

Gene: NewKitty_57 Start: 32706, Stop: 32969, Start Num: 6
Candidate Starts for NewKitty_57:
(Start: 6 @32706 has 38 MA's), (7, 32784), (11, 32904),

Gene: Persistence_51 Start: 31986, Stop: 32318, Start Num: 6
Candidate Starts for Persistence_51:
(5, 31959), (Start: 6 @31986 has 38 MA's), (7, 32064), (11, 32181), (14, 32292),

Gene: Phrank15_55 Start: 32743, Stop: 32979, Start Num: 6
Candidate Starts for Phrank15_55:
(2, 32695), (Start: 6 @32743 has 38 MA's), (9, 32833), (10, 32917),

Gene: RadFad_59 Start: 34186, Stop: 34449, Start Num: 6
Candidate Starts for RadFad_59:
(Start: 6 @34186 has 38 MA's), (7, 34264), (11, 34384),

Gene: Raphaella_54 Start: 32445, Stop: 32708, Start Num: 6
Candidate Starts for Raphaella_54:
(Start: 6 @32445 has 38 MA's), (7, 32523), (11, 32643),

Gene: Richie_57 Start: 33514, Stop: 33777, Start Num: 6
Candidate Starts for Richie_57:

(Start: 6 @33514 has 38 MA's), (7, 33592), (11, 33712), (13, 33766),

Gene: Sakai_54 Start: 32547, Stop: 32810, Start Num: 6
Candidate Starts for Sakai_54:
(Start: 6 @32547 has 38 MA's), (7, 32625), (11, 32745), (13, 32799),

Gene: Sashimi_55 Start: 33777, Stop: 34037, Start Num: 6
Candidate Starts for Sashimi_55:
(Start: 6 @33777 has 38 MA's), (7, 33855), (11, 33972), (13, 34026),

Gene: Satrap_56 Start: 32976, Stop: 33239, Start Num: 6
Candidate Starts for Satrap_56:
(Start: 6 @32976 has 38 MA's), (7, 33054), (11, 33174), (13, 33228),

Gene: Seahorse_58 Start: 34780, Stop: 35046, Start Num: 6
Candidate Starts for Seahorse_58:
(3, 34747), (Start: 6 @34780 has 38 MA's), (7, 34861), (11, 34981),

Gene: SonDevVon_59 Start: 33150, Stop: 33413, Start Num: 6
Candidate Starts for SonDevVon_59:
(Start: 6 @33150 has 38 MA's), (7, 33228), (11, 33348),

Gene: SpicyFrank_58 Start: 33626, Stop: 33889, Start Num: 6
Candidate Starts for SpicyFrank_58:
(Start: 6 @33626 has 38 MA's), (7, 33704), (11, 33824), (13, 33878),

Gene: ThayneTheZag_56 Start: 32621, Stop: 32884, Start Num: 6
Candidate Starts for ThayneTheZag_56:
(Start: 6 @32621 has 38 MA's), (7, 32699), (11, 32819), (13, 32873),

Gene: Tiff81_51 Start: 30958, Stop: 31221, Start Num: 6
Candidate Starts for Tiff81_51:
(Start: 6 @30958 has 38 MA's), (7, 31036), (11, 31156), (13, 31210),

Gene: Vopal_58 Start: 36083, Stop: 36346, Start Num: 6
Candidate Starts for Vopal_58:
(Start: 6 @36083 has 38 MA's), (7, 36161), (11, 36281), (13, 36335),

Gene: YoungHarleezy_55 Start: 33011, Stop: 33274, Start Num: 6
Candidate Starts for YoungHarleezy_55:
(Start: 6 @33011 has 38 MA's), (7, 33089), (11, 33209), (13, 33263),

Gene: Zucker_45 Start: 30793, Stop: 31053, Start Num: 6
Candidate Starts for Zucker_45:
(Start: 6 @30793 has 38 MA's), (7, 30874), (8, 30895), (12, 31036),