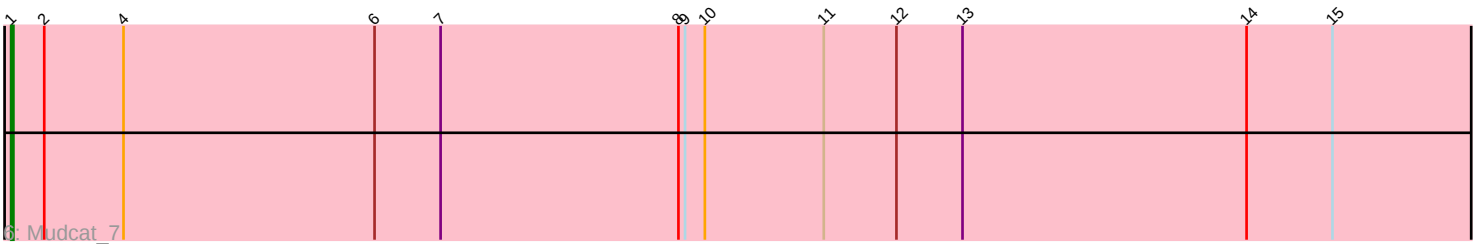
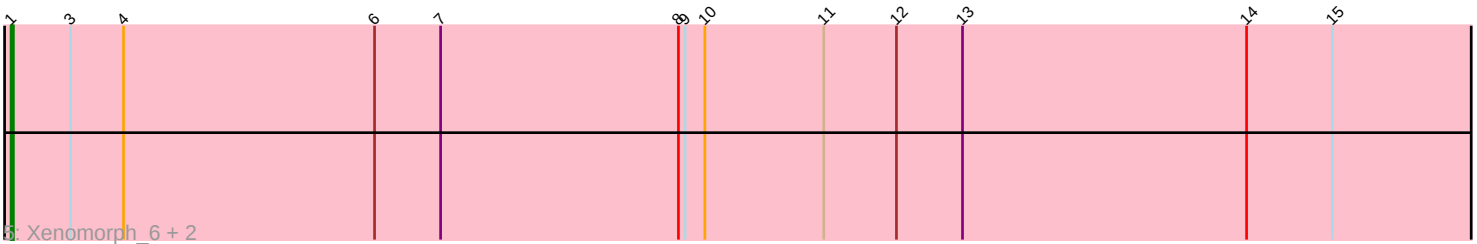
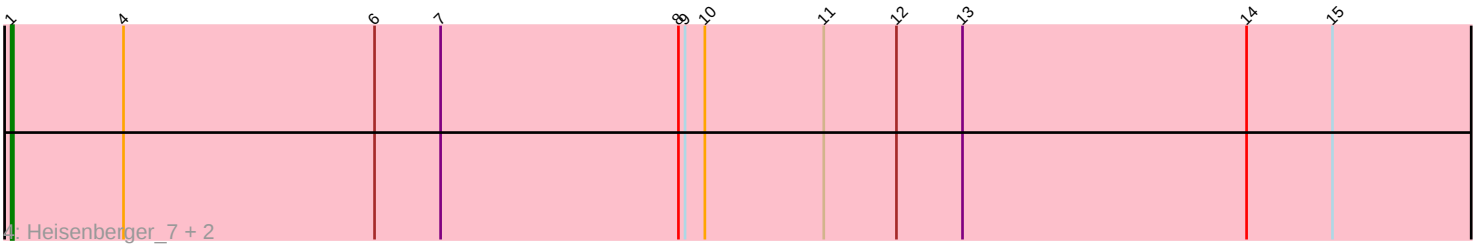
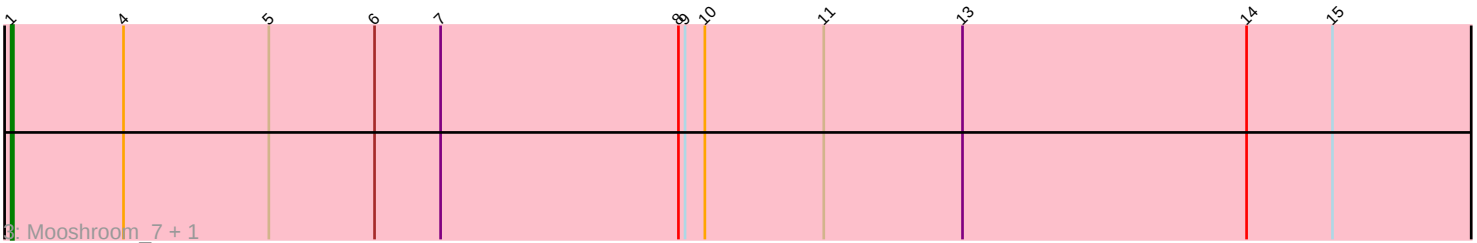
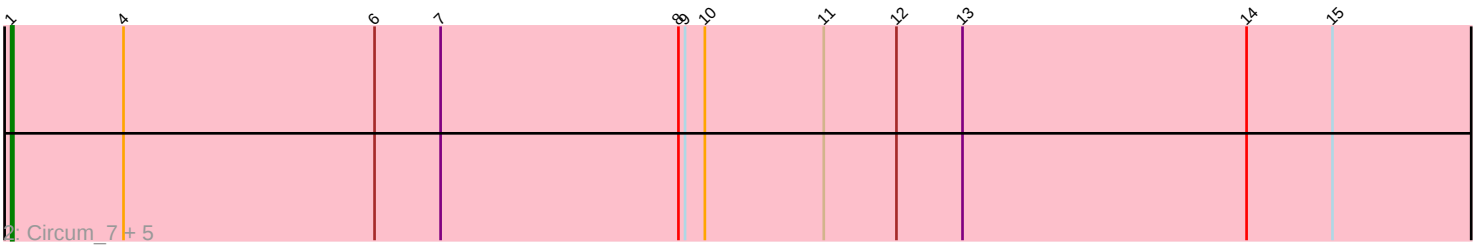
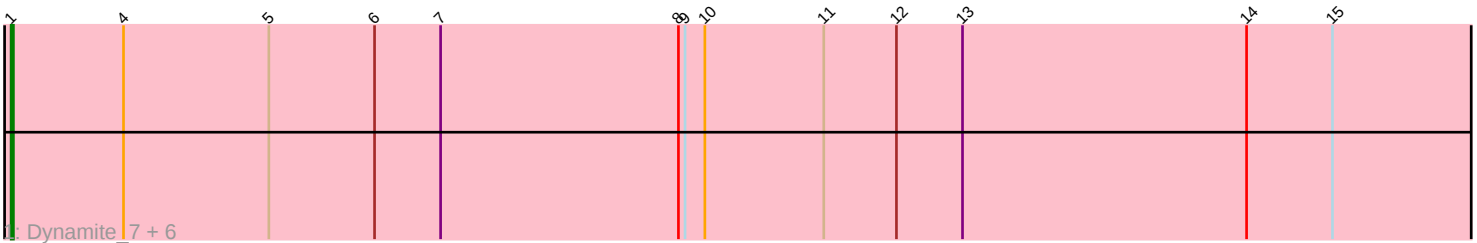


Zoomed Pham 269915



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 269915 Report

This analysis was run 02/07/26 on database version 634.

Pham number 269915 has 22 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Dynamite_7, Tribby_7, Arcadia_7, Bowling_7, NapoleonB_7, Nason_7, Elsa_7
- Track 2 : Circum_7, KeaneyLin_6, Benllo_6, Hankly_6, BenitoAntonio_7, GoCrazy_6
- Track 3 : Mooshroom_7, Kardesai_6
- Track 4 : Heisenberger_7, YoshiYama_6, JEGGS_7
- Track 5 : Xenomorph_6, Correa_7, Cheesy_7
- Track 6 : Mudcat_7

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 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arcadia_7, BenitoAntonio_7, Benllo_6, Bowling_7, Cheesy_7, Circum_7, Correa_7, Dynamite_7, Elsa_7, GoCrazy_6, Hankly_6, Heisenberger_7, JEGGS_7, Kardesai_6, KeaneyLin_6, Mooshroom_7, Mudcat_7, NapoleonB_7, Nason_7, Tribby_7, Xenomorph_6, YoshiYama_6,

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 1:

- Found in 22 of 22 (100.0%) of genes in pham
- Manual Annotations of this start: 20 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arcadia_7 (AM), BenitoAntonio_7 (AM), Benllo_6 (AM), Bowling_7 (AM), Cheesy_7 (AM), Circum_7 (AM), Correa_7 (AM),

Dynamite_7 (AM), Elsa_7 (AM), GoCrazy_6 (AM), Hankly_6 (AM), Heisenberger_7 (AM), JEGGS_7 (AM), Kardesai_6 (AM), KeaneyLin_6 (AM), Mooshroom_7 (AM), Mudcat_7 (AM), NapoleonB_7 (AM), Nason_7 (AM), Tribby_7 (AM), Xenomorph_6 (AM), YoshiYama_6 (AM),

Summary by clusters:

There is one cluster represented in this pham: AM

Info for manual annotations of cluster AM:

- Start number 1 was manually annotated 20 times for cluster AM.

Gene Information:

Gene: Arcadia_7 Start: 3209, Stop: 4216, Start Num: 1

Candidate Starts for Arcadia_7:

(Start: 1 @3209 has 20 MA's), (4, 3260), (5, 3326), (6, 3374), (7, 3404), (8, 3512), (9, 3515), (10, 3524), (11, 3578), (12, 3611), (13, 3641), (14, 3770), (15, 3809), (16, 3932), (17, 3968), (18, 3995), (19, 4010), (20, 4073),

Gene: BenitoAntonio_7 Start: 2817, Stop: 3824, Start Num: 1

Candidate Starts for BenitoAntonio_7:

(Start: 1 @2817 has 20 MA's), (4, 2868), (6, 2982), (7, 3012), (8, 3120), (9, 3123), (10, 3132), (11, 3186), (12, 3219), (13, 3249), (14, 3378), (15, 3417), (16, 3540), (17, 3576), (18, 3603), (19, 3618), (20, 3681),

Gene: Benllo_6 Start: 2819, Stop: 3826, Start Num: 1

Candidate Starts for Benllo_6:

(Start: 1 @2819 has 20 MA's), (4, 2870), (6, 2984), (7, 3014), (8, 3122), (9, 3125), (10, 3134), (11, 3188), (12, 3221), (13, 3251), (14, 3380), (15, 3419), (16, 3542), (17, 3578), (18, 3605), (19, 3620), (20, 3683),

Gene: Bowling_7 Start: 2819, Stop: 3826, Start Num: 1

Candidate Starts for Bowling_7:

(Start: 1 @2819 has 20 MA's), (4, 2870), (5, 2936), (6, 2984), (7, 3014), (8, 3122), (9, 3125), (10, 3134), (11, 3188), (12, 3221), (13, 3251), (14, 3380), (15, 3419), (16, 3542), (17, 3578), (18, 3605), (19, 3620), (20, 3683),

Gene: Cheesy_7 Start: 2819, Stop: 3826, Start Num: 1

Candidate Starts for Cheesy_7:

(Start: 1 @2819 has 20 MA's), (3, 2846), (4, 2870), (6, 2984), (7, 3014), (8, 3122), (9, 3125), (10, 3134), (11, 3188), (12, 3221), (13, 3251), (14, 3380), (15, 3419), (16, 3542), (17, 3578), (18, 3605), (20, 3683),

Gene: Circum_7 Start: 2819, Stop: 3826, Start Num: 1

Candidate Starts for Circum_7:

(Start: 1 @2819 has 20 MA's), (4, 2870), (6, 2984), (7, 3014), (8, 3122), (9, 3125), (10, 3134), (11, 3188), (12, 3221), (13, 3251), (14, 3380), (15, 3419), (16, 3542), (17, 3578), (18, 3605), (19, 3620), (20, 3683),

Gene: Correa_7 Start: 2819, Stop: 3826, Start Num: 1

Candidate Starts for Correa_7:

(Start: 1 @2819 has 20 MA's), (3, 2846), (4, 2870), (6, 2984), (7, 3014), (8, 3122), (9, 3125), (10, 3134), (11, 3188), (12, 3221), (13, 3251), (14, 3380), (15, 3419), (16, 3542), (17, 3578), (18, 3605), (20, 3683),

Gene: Dynamite_7 Start: 2819, Stop: 3826, Start Num: 1

Candidate Starts for Dynamite_7:

(Start: 1 @2819 has 20 MA's), (4, 2870), (5, 2936), (6, 2984), (7, 3014), (8, 3122), (9, 3125), (10, 3134), (11, 3188), (12, 3221), (13, 3251), (14, 3380), (15, 3419), (16, 3542), (17, 3578), (18, 3605), (19, 3620), (20, 3683),

Gene: Elsa_7 Start: 3209, Stop: 4216, Start Num: 1

Candidate Starts for Elsa_7:

(Start: 1 @3209 has 20 MA's), (4, 3260), (5, 3326), (6, 3374), (7, 3404), (8, 3512), (9, 3515), (10, 3524), (11, 3578), (12, 3611), (13, 3641), (14, 3770), (15, 3809), (16, 3932), (17, 3968), (18, 3995), (19, 4010), (20, 4073),

Gene: GoCrazy_6 Start: 2819, Stop: 3826, Start Num: 1

Candidate Starts for GoCrazy_6:

(Start: 1 @2819 has 20 MA's), (4, 2870), (6, 2984), (7, 3014), (8, 3122), (9, 3125), (10, 3134), (11, 3188), (12, 3221), (13, 3251), (14, 3380), (15, 3419), (16, 3542), (17, 3578), (18, 3605), (19, 3620), (20, 3683),

Gene: Hankly_6 Start: 2843, Stop: 3850, Start Num: 1

Candidate Starts for Hankly_6:

(Start: 1 @2843 has 20 MA's), (4, 2894), (6, 3008), (7, 3038), (8, 3146), (9, 3149), (10, 3158), (11, 3212), (12, 3245), (13, 3275), (14, 3404), (15, 3443), (16, 3566), (17, 3602), (18, 3629), (19, 3644), (20, 3707),

Gene: Heisenberger_7 Start: 2819, Stop: 3826, Start Num: 1

Candidate Starts for Heisenberger_7:

(Start: 1 @2819 has 20 MA's), (4, 2870), (6, 2984), (7, 3014), (8, 3122), (9, 3125), (10, 3134), (11, 3188), (12, 3221), (13, 3251), (14, 3380), (15, 3419), (16, 3542), (17, 3578), (18, 3605), (20, 3683),

Gene: JEGGS_7 Start: 2821, Stop: 3828, Start Num: 1

Candidate Starts for JEGGS_7:

(Start: 1 @2821 has 20 MA's), (4, 2872), (6, 2986), (7, 3016), (8, 3124), (9, 3127), (10, 3136), (11, 3190), (12, 3223), (13, 3253), (14, 3382), (15, 3421), (16, 3544), (17, 3580), (18, 3607), (20, 3685),

Gene: Kardesai_6 Start: 2819, Stop: 3826, Start Num: 1

Candidate Starts for Kardesai_6:

(Start: 1 @2819 has 20 MA's), (4, 2870), (5, 2936), (6, 2984), (7, 3014), (8, 3122), (9, 3125), (10, 3134), (11, 3188), (13, 3251), (14, 3380), (15, 3419), (16, 3542), (17, 3578), (18, 3605), (19, 3620), (20, 3683),

Gene: KeaneyLin_6 Start: 2819, Stop: 3826, Start Num: 1

Candidate Starts for KeaneyLin_6:

(Start: 1 @2819 has 20 MA's), (4, 2870), (6, 2984), (7, 3014), (8, 3122), (9, 3125), (10, 3134), (11, 3188), (12, 3221), (13, 3251), (14, 3380), (15, 3419), (16, 3542), (17, 3578), (18, 3605), (19, 3620), (20, 3683),

Gene: Mooshroom_7 Start: 2819, Stop: 3826, Start Num: 1

Candidate Starts for Mooshroom_7:

(Start: 1 @2819 has 20 MA's), (4, 2870), (5, 2936), (6, 2984), (7, 3014), (8, 3122), (9, 3125), (10, 3134), (11, 3188), (13, 3251), (14, 3380), (15, 3419), (16, 3542), (17, 3578), (18, 3605), (19, 3620), (20, 3683),

Gene: Mudcat_7 Start: 2820, Stop: 3827, Start Num: 1

Candidate Starts for Mudcat_7:

(Start: 1 @2820 has 20 MA's), (2, 2835), (4, 2871), (6, 2985), (7, 3015), (8, 3123), (9, 3126), (10, 3135), (11, 3189), (12, 3222), (13, 3252), (14, 3381), (15, 3420), (16, 3543), (17, 3579), (18, 3606), (20, 3684),

Gene: NapoleonB_7 Start: 2819, Stop: 3826, Start Num: 1

Candidate Starts for NapoleonB_7:

(Start: 1 @2819 has 20 MA's), (4, 2870), (5, 2936), (6, 2984), (7, 3014), (8, 3122), (9, 3125), (10, 3134), (11, 3188), (12, 3221), (13, 3251), (14, 3380), (15, 3419), (16, 3542), (17, 3578), (18, 3605), (19, 3620), (20, 3683),

Gene: Nason_7 Start: 3209, Stop: 4216, Start Num: 1

Candidate Starts for Nason_7:

(Start: 1 @3209 has 20 MA's), (4, 3260), (5, 3326), (6, 3374), (7, 3404), (8, 3512), (9, 3515), (10, 3524), (11, 3578), (12, 3611), (13, 3641), (14, 3770), (15, 3809), (16, 3932), (17, 3968), (18, 3995), (19, 4010), (20, 4073),

Gene: Tribby_7 Start: 2819, Stop: 3826, Start Num: 1

Candidate Starts for Tribby_7:

(Start: 1 @2819 has 20 MA's), (4, 2870), (5, 2936), (6, 2984), (7, 3014), (8, 3122), (9, 3125), (10, 3134), (11, 3188), (12, 3221), (13, 3251), (14, 3380), (15, 3419), (16, 3542), (17, 3578), (18, 3605), (19, 3620), (20, 3683),

Gene: Xenomorph_6 Start: 2819, Stop: 3826, Start Num: 1

Candidate Starts for Xenomorph_6:

(Start: 1 @2819 has 20 MA's), (3, 2846), (4, 2870), (6, 2984), (7, 3014), (8, 3122), (9, 3125), (10, 3134), (11, 3188), (12, 3221), (13, 3251), (14, 3380), (15, 3419), (16, 3542), (17, 3578), (18, 3605), (20, 3683),

Gene: YoshiYama_6 Start: 2819, Stop: 3826, Start Num: 1

Candidate Starts for YoshiYama_6:

(Start: 1 @2819 has 20 MA's), (4, 2870), (6, 2984), (7, 3014), (8, 3122), (9, 3125), (10, 3134), (11, 3188), (12, 3221), (13, 3251), (14, 3380), (15, 3419), (16, 3542), (17, 3578), (18, 3605), (20, 3683),