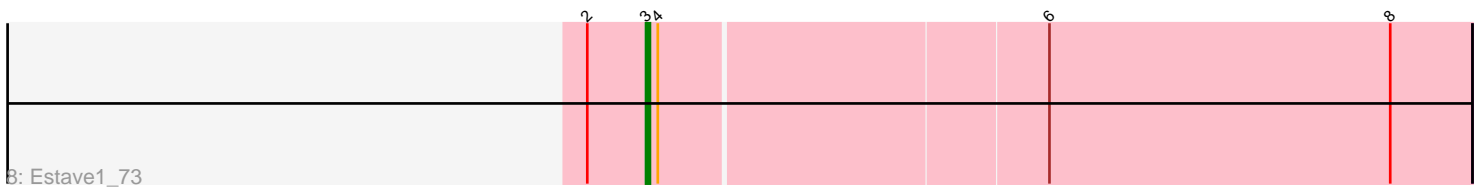
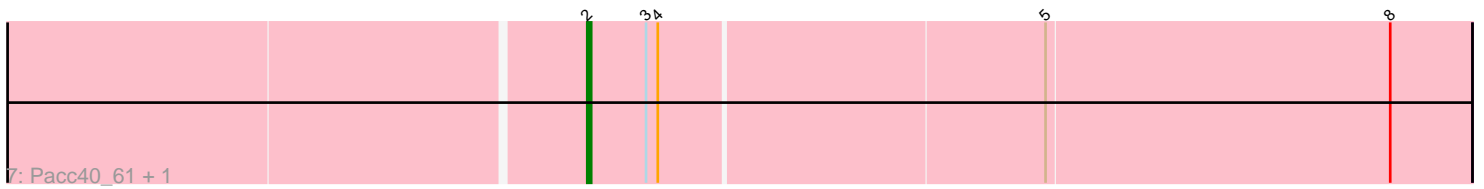
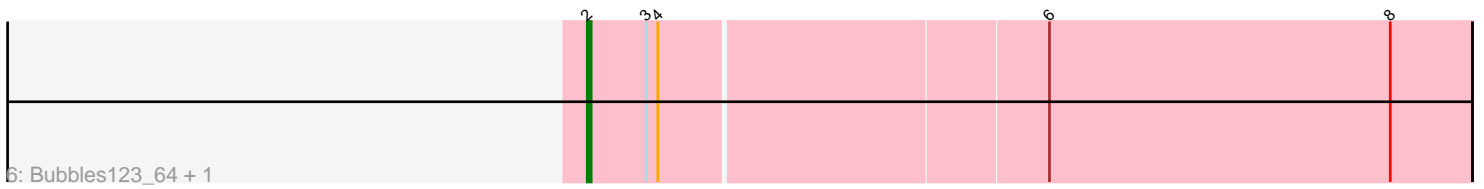
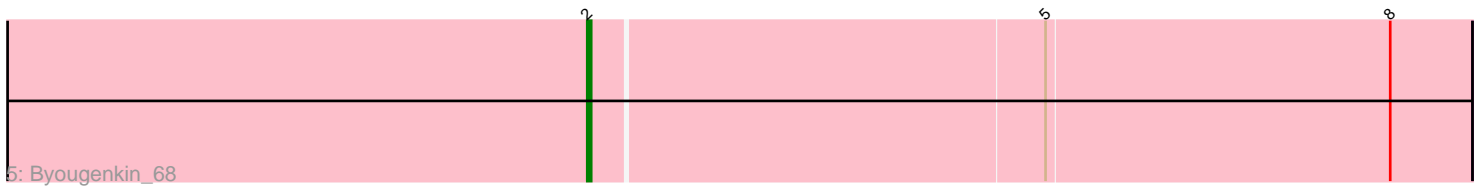
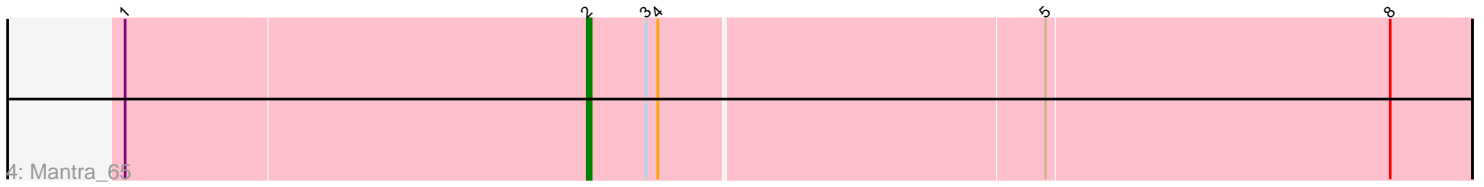
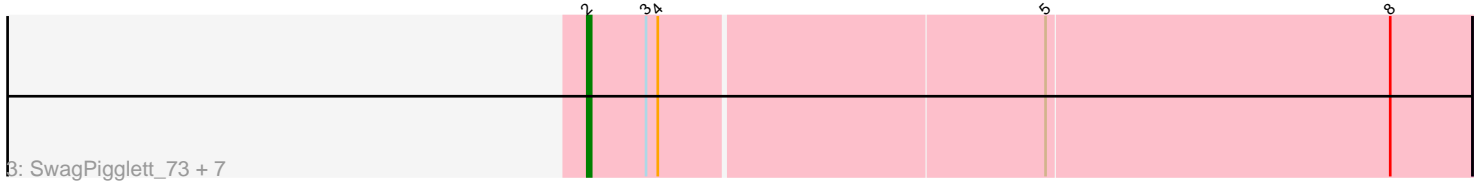
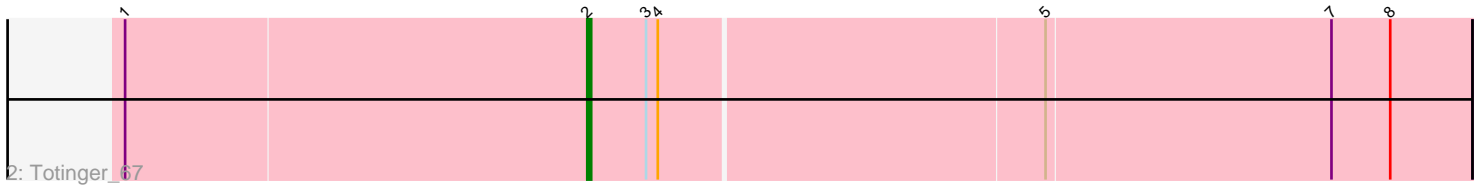
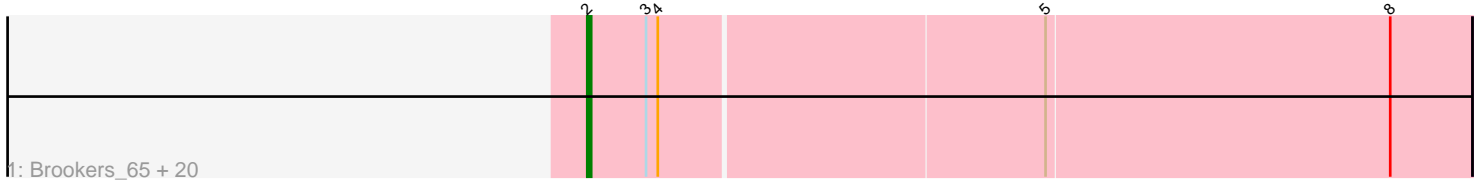


Pham 211246



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 211246 Report

This analysis was run 02/22/25 on database version 588.

Pham number 211246 has 37 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Brookers_65, LastJedi_61, Coco12_67, Saal_69, James_71, Cerasum_64, BigPhil_64, Kingsley_65, Clifton_62, Brocalys_62, Mattes_71, Gorge_71, DosHalletts_69, Lizziana_73, Doug_69, Velveteen_63, OlympiaSaint_69, GUmbie_65, RockyHorror_68, Sarma624_66, Rita_74
- Track 2 : Totinger_67
- Track 3 : SwagPiggett_73, Cabrinians_69, Priscilla_68, Koella_62, MinionDave_67, Spikelee_75, CaptainTrips_66, Aubs_68
- Track 4 : Mantra_65
- Track 5 : Byougenkin_68
- Track 6 : Bubbles123_64, Jarcob_67
- Track 7 : Pacc40_61, GigiOuiOui_63
- Track 8 : Estave1_73

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 35 of the 36 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aubs_68, BigPhil_64, Brocalys_62, Brookers_65, Bubbles123_64, Byougenkin_68, Cabrinians_69, CaptainTrips_66, Cerasum_64, Clifton_62, Coco12_67, DosHalletts_69, Doug_69, GUmbie_65, GigiOuiOui_63, Gorge_71, James_71, Jarcob_67, Kingsley_65, Koella_62, LastJedi_61, Lizziana_73, Mantra_65, Mattes_71, MinionDave_67, OlympiaSaint_69, Pacc40_61, Priscilla_68, Rita_74, RockyHorror_68, Saal_69, Sarma624_66, Spikelee_75, SwagPiggett_73, Totinger_67, Velveteen_63,

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

- Estave1_73,

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

-

Summary by start number:

Start 2:

- Found in 37 of 37 (100.0%) of genes in pham
- Manual Annotations of this start: 35 of 36
- Called 97.3% of time when present
- Phage (with cluster) where this start called: Aubs_68 (F1), BigPhil_64 (F1), Brocalys_62 (F1), Brookers_65 (F1), Bubbles123_64 (F1), Byougenkin_68 (F1), Cabrinians_69 (F1), CaptainTrips_66 (F1), Cerasum_64 (F1), Clifton_62 (F1), Coco12_67 (F1), DosHalletts_69 (F1), Doug_69 (F1), GUmble_65 (F1), GigiOuiOui_63 (F1), Gorge_71 (F1), James_71 (F1), JarcoB_67 (F1), Kingsley_65 (F1), Koella_62 (F1), LastJedi_61 (F1), Lizziana_73 (F1), Mantra_65 (F1), Mattes_71 (F1), MinionDave_67 (F1), OlympiaSaint_69 (F1), Pacc40_61 (F1), Priscilla_68 (F1), Rita_74 (F1), RockyHorror_68 (F1), Saal_69 (F1), Sarma624_66 (F1), Spikelee_75 (F1), SwagPigglett_73 (F1), Totinger_67 (F1), Velveteen_63 (F1),

Start 3:

- Found in 36 of 37 (97.3%) of genes in pham
- Manual Annotations of this start: 1 of 36
- Called 2.8% of time when present
- Phage (with cluster) where this start called: Estave1_73 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:

- Start number 2 was manually annotated 35 times for cluster F1.
- Start number 3 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: Aubs_68 Start: 45292, Stop: 45513, Start Num: 2

Candidate Starts for Aubs_68:

(Start: 2 @45292 has 35 MA's), (Start: 3 @45307 has 1 MA's), (4, 45310), (5, 45406), (8, 45493),

Gene: BigPhil_64 Start: 42023, Stop: 42244, Start Num: 2

Candidate Starts for BigPhil_64:

(Start: 2 @42023 has 35 MA's), (Start: 3 @42038 has 1 MA's), (4, 42041), (5, 42137), (8, 42224),

Gene: Brocalys_62 Start: 43203, Stop: 43424, Start Num: 2

Candidate Starts for Brocalys_62:

(Start: 2 @43203 has 35 MA's), (Start: 3 @43218 has 1 MA's), (4, 43221), (5, 43317), (8, 43404),

Gene: Brookers_65 Start: 44974, Stop: 45195, Start Num: 2

Candidate Starts for Brookers_65:

(Start: 2 @44974 has 35 MA's), (Start: 3 @44989 has 1 MA's), (4, 44992), (5, 45088), (8, 45175),

Gene: Bubbles123_64 Start: 44481, Stop: 44702, Start Num: 2

Candidate Starts for Bubbles123_64:

(Start: 2 @44481 has 35 MA's), (Start: 3 @44496 has 1 MA's), (4, 44499), (6, 44595), (8, 44682),

Gene: Byougenkin_68 Start: 43105, Stop: 43326, Start Num: 2

Candidate Starts for Byougenkin_68:

(Start: 2 @43105 has 35 MA's), (5, 43219), (8, 43306),

Gene: Cabrinians_69 Start: 45124, Stop: 45345, Start Num: 2

Candidate Starts for Cabrinians_69:

(Start: 2 @45124 has 35 MA's), (Start: 3 @45139 has 1 MA's), (4, 45142), (5, 45238), (8, 45325),

Gene: CaptainTrips_66 Start: 44859, Stop: 45080, Start Num: 2

Candidate Starts for CaptainTrips_66:

(Start: 2 @44859 has 35 MA's), (Start: 3 @44874 has 1 MA's), (4, 44877), (5, 44973), (8, 45060),

Gene: Cerasum_64 Start: 42041, Stop: 42262, Start Num: 2

Candidate Starts for Cerasum_64:

(Start: 2 @42041 has 35 MA's), (Start: 3 @42056 has 1 MA's), (4, 42059), (5, 42155), (8, 42242),

Gene: Clifton_62 Start: 43554, Stop: 43775, Start Num: 2

Candidate Starts for Clifton_62:

(Start: 2 @43554 has 35 MA's), (Start: 3 @43569 has 1 MA's), (4, 43572), (5, 43668), (8, 43755),

Gene: Coco12_67 Start: 46098, Stop: 46319, Start Num: 2

Candidate Starts for Coco12_67:

(Start: 2 @46098 has 35 MA's), (Start: 3 @46113 has 1 MA's), (4, 46116), (5, 46212), (8, 46299),

Gene: DosHalletts_69 Start: 46178, Stop: 46399, Start Num: 2

Candidate Starts for DosHalletts_69:

(Start: 2 @46178 has 35 MA's), (Start: 3 @46193 has 1 MA's), (4, 46196), (5, 46292), (8, 46379),

Gene: Doug_69 Start: 46503, Stop: 46724, Start Num: 2

Candidate Starts for Doug_69:

(Start: 2 @46503 has 35 MA's), (Start: 3 @46518 has 1 MA's), (4, 46521), (5, 46617), (8, 46704),

Gene: Estave1_73 Start: 47498, Stop: 47704, Start Num: 3

Candidate Starts for Estave1_73:

(Start: 2 @47483 has 35 MA's), (Start: 3 @47498 has 1 MA's), (4, 47501), (6, 47597), (8, 47684),

Gene: GUmbie_65 Start: 44551, Stop: 44772, Start Num: 2

Candidate Starts for GUmbie_65:

(Start: 2 @44551 has 35 MA's), (Start: 3 @44566 has 1 MA's), (4, 44569), (5, 44665), (8, 44752),

Gene: GigiOuiOui_63 Start: 43697, Stop: 43918, Start Num: 2

Candidate Starts for GigiOuiOui_63:

(Start: 2 @43697 has 35 MA's), (Start: 3 @43712 has 1 MA's), (4, 43715), (5, 43811), (8, 43898),

Gene: Gorge_71 Start: 46493, Stop: 46714, Start Num: 2

Candidate Starts for Gorge_71:

(Start: 2 @46493 has 35 MA's), (Start: 3 @46508 has 1 MA's), (4, 46511), (5, 46607), (8, 46694),

Gene: James_71 Start: 46618, Stop: 46839, Start Num: 2

Candidate Starts for James_71:

(Start: 2 @46618 has 35 MA's), (Start: 3 @46633 has 1 MA's), (4, 46636), (5, 46732), (8, 46819),

Gene: Jarcob_67 Start: 45048, Stop: 45269, Start Num: 2

Candidate Starts for Jacob_67:

(Start: 2 @45048 has 35 MA's), (Start: 3 @45063 has 1 MA's), (4, 45066), (6, 45162), (8, 45249),

Gene: Kingsley_65 Start: 44831, Stop: 45052, Start Num: 2

Candidate Starts for Kingsley_65:

(Start: 2 @44831 has 35 MA's), (Start: 3 @44846 has 1 MA's), (4, 44849), (5, 44945), (8, 45032),

Gene: Koella_62 Start: 41022, Stop: 41243, Start Num: 2

Candidate Starts for Koella_62:

(Start: 2 @41022 has 35 MA's), (Start: 3 @41037 has 1 MA's), (4, 41040), (5, 41136), (8, 41223),

Gene: LastJedi_61 Start: 43597, Stop: 43818, Start Num: 2

Candidate Starts for LastJedi_61:

(Start: 2 @43597 has 35 MA's), (Start: 3 @43612 has 1 MA's), (4, 43615), (5, 43711), (8, 43798),

Gene: Lizziana_73 Start: 46099, Stop: 46320, Start Num: 2

Candidate Starts for Lizziana_73:

(Start: 2 @46099 has 35 MA's), (Start: 3 @46114 has 1 MA's), (4, 46117), (5, 46213), (8, 46300),

Gene: Mantra_65 Start: 44857, Stop: 45078, Start Num: 2

Candidate Starts for Mantra_65:

(1, 44740), (Start: 2 @44857 has 35 MA's), (Start: 3 @44872 has 1 MA's), (4, 44875), (5, 44971), (8, 45058),

Gene: Mattes_71 Start: 46618, Stop: 46839, Start Num: 2

Candidate Starts for Mattes_71:

(Start: 2 @46618 has 35 MA's), (Start: 3 @46633 has 1 MA's), (4, 46636), (5, 46732), (8, 46819),

Gene: MinionDave_67 Start: 45395, Stop: 45616, Start Num: 2

Candidate Starts for MinionDave_67:

(Start: 2 @45395 has 35 MA's), (Start: 3 @45410 has 1 MA's), (4, 45413), (5, 45509), (8, 45596),

Gene: OlympiaSaint_69 Start: 45560, Stop: 45781, Start Num: 2

Candidate Starts for OlympiaSaint_69:

(Start: 2 @45560 has 35 MA's), (Start: 3 @45575 has 1 MA's), (4, 45578), (5, 45674), (8, 45761),

Gene: Pacc40_61 Start: 45123, Stop: 45344, Start Num: 2

Candidate Starts for Pacc40_61:

(Start: 2 @45123 has 35 MA's), (Start: 3 @45138 has 1 MA's), (4, 45141), (5, 45237), (8, 45324),

Gene: Priscilla_68 Start: 45134, Stop: 45355, Start Num: 2

Candidate Starts for Priscilla_68:

(Start: 2 @45134 has 35 MA's), (Start: 3 @45149 has 1 MA's), (4, 45152), (5, 45248), (8, 45335),

Gene: Rita_74 Start: 45986, Stop: 46207, Start Num: 2

Candidate Starts for Rita_74:

(Start: 2 @45986 has 35 MA's), (Start: 3 @46001 has 1 MA's), (4, 46004), (5, 46100), (8, 46187),

Gene: RockyHorror_68 Start: 44439, Stop: 44660, Start Num: 2

Candidate Starts for RockyHorror_68:

(Start: 2 @44439 has 35 MA's), (Start: 3 @44454 has 1 MA's), (4, 44457), (5, 44553), (8, 44640),

Gene: Saal_69 Start: 46312, Stop: 46533, Start Num: 2

Candidate Starts for Saal_69:

(Start: 2 @46312 has 35 MA's), (Start: 3 @46327 has 1 MA's), (4, 46330), (5, 46426), (8, 46513),

Gene: Sarma624_66 Start: 42023, Stop: 42244, Start Num: 2

Candidate Starts for Sarma624_66:

(Start: 2 @42023 has 35 MA's), (Start: 3 @42038 has 1 MA's), (4, 42041), (5, 42137), (8, 42224),

Gene: Spikelee_75 Start: 46711, Stop: 46932, Start Num: 2

Candidate Starts for Spikelee_75:

(Start: 2 @46711 has 35 MA's), (Start: 3 @46726 has 1 MA's), (4, 46729), (5, 46825), (8, 46912),

Gene: SwagPiggett_73 Start: 47353, Stop: 47574, Start Num: 2

Candidate Starts for SwagPiggett_73:

(Start: 2 @47353 has 35 MA's), (Start: 3 @47368 has 1 MA's), (4, 47371), (5, 47467), (8, 47554),

Gene: Totinger_67 Start: 44193, Stop: 44414, Start Num: 2

Candidate Starts for Totinger_67:

(1, 44076), (Start: 2 @44193 has 35 MA's), (Start: 3 @44208 has 1 MA's), (4, 44211), (5, 44307), (7, 44379), (8, 44394),

Gene: Velveteen_63 Start: 42023, Stop: 42244, Start Num: 2

Candidate Starts for Velveteen_63:

(Start: 2 @42023 has 35 MA's), (Start: 3 @42038 has 1 MA's), (4, 42041), (5, 42137), (8, 42224),