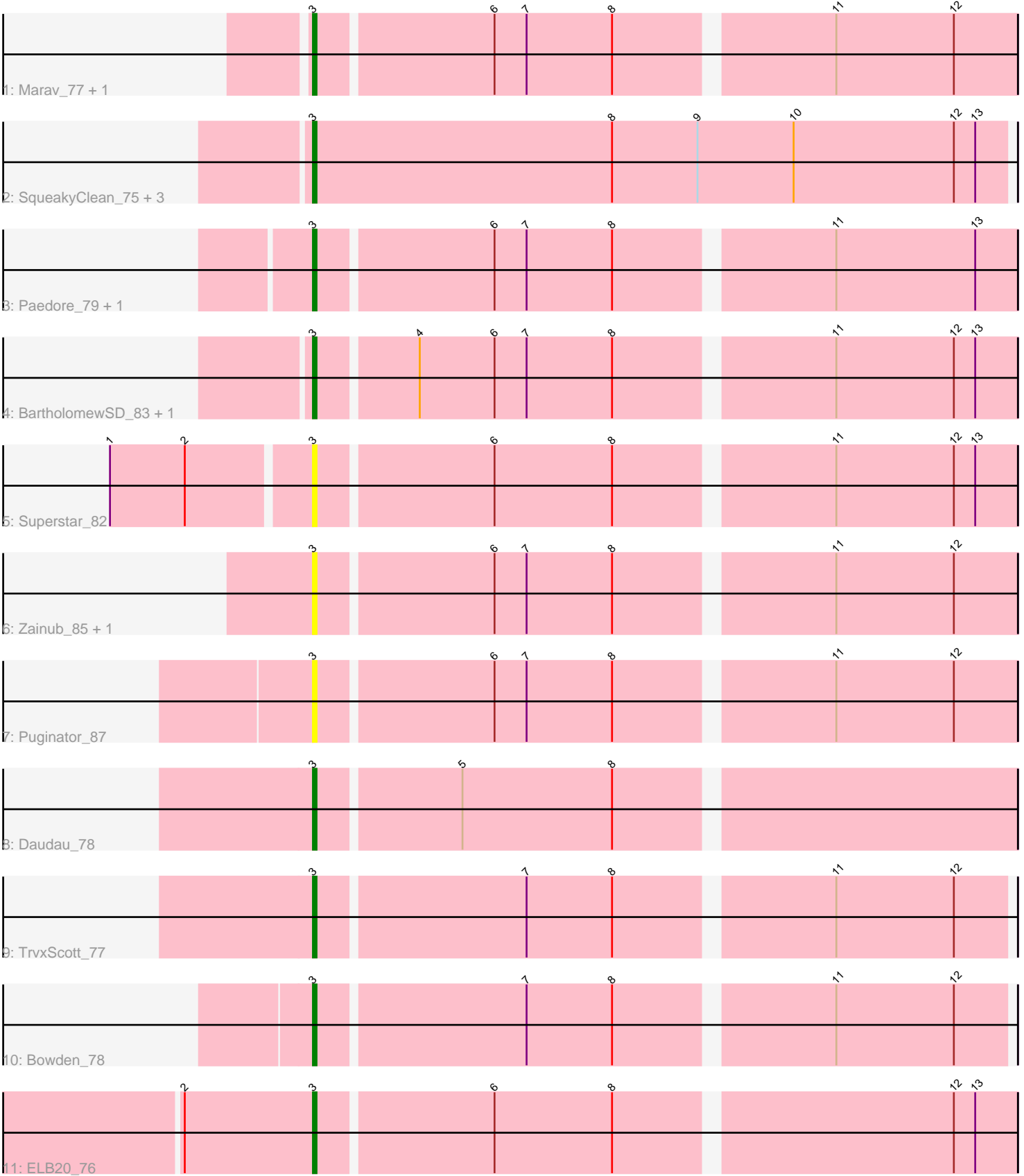


Pham 106704



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 106704 Report

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

Pham number 106704 has 18 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Marav_77, Jevington_82
- Track 2 : SqueakyClean_75, GirlDinner_77, Animus_74, Janus_75
- Track 3 : Paedore_79, Loofah_82
- Track 4 : BartholomewSD_83, Alvy_85
- Track 5 : Superstar_82
- Track 6 : Zainub_85, Paolo_81
- Track 7 : Puginator_87
- Track 8 : Daudau_78
- Track 9 : TrvxScott_77
- Track 10 : Bowden_78
- Track 11 : ELB20_76

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

The start number called the most often in the published annotations is 3, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alvy_85, Animus_74, BartholomewSD_83, Bowden_78, Daudau_78, ELB20_76, GirlDinner_77, Janus_75, Jevington_82, Loofah_82, Marav_77, Paedore_79, Paolo_81, Puginator_87, SqueakyClean_75, Superstar_82, TrvxScott_77, Zainub_85,

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 3:

- Found in 18 of 18 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 11

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alvy_85 (BD2), Animus_74 (BD2), BartholomewSD_83 (BD2), Bowden_78 (BD2), Daudau_78 (BD2), ELB20_76 (BD2), GirlDinner_77 (BD2), Janus_75 (BD2), Jevington_82 (BD2), Loofah_82 (BD2), Marav_77 (BD2), Paedore_79 (BD2), Paolo_81 (BD2), Puginator_87 (BD2), SqueakyClean_75 (BD2), Superstar_82 (BD2), TrvxScott_77 (BD2), Zainub_85 (BD2),

Summary by clusters:

There is one cluster represented in this pham: BD2

Info for manual annotations of cluster BD2:

- Start number 3 was manually annotated 11 times for cluster BD2.

Gene Information:

Gene: Alvy_85 Start: 50295, Stop: 50107, Start Num: 3

Candidate Starts for Alvy_85:

(Start: 3 @50295 has 11 MA's), (4, 50268), (6, 50247), (7, 50238), (8, 50214), (11, 50157), (12, 50124), (13, 50118),

Gene: Animus_74 Start: 48572, Stop: 48378, Start Num: 3

Candidate Starts for Animus_74:

(Start: 3 @48572 has 11 MA's), (8, 48488), (9, 48464), (10, 48437), (12, 48392), (13, 48386),

Gene: BartholomewSD_83 Start: 49414, Stop: 49226, Start Num: 3

Candidate Starts for BartholomewSD_83:

(Start: 3 @49414 has 11 MA's), (4, 49387), (6, 49366), (7, 49357), (8, 49333), (11, 49276), (12, 49243), (13, 49237),

Gene: Bowden_78 Start: 49962, Stop: 49777, Start Num: 3

Candidate Starts for Bowden_78:

(Start: 3 @49962 has 11 MA's), (7, 49905), (8, 49881), (11, 49824), (12, 49791),

Gene: Daudau_78 Start: 48018, Stop: 47830, Start Num: 3

Candidate Starts for Daudau_78:

(Start: 3 @48018 has 11 MA's), (5, 47979), (8, 47937),

Gene: ELB20_76 Start: 48503, Stop: 48315, Start Num: 3

Candidate Starts for ELB20_76:

(2, 48539), (Start: 3 @48503 has 11 MA's), (6, 48455), (8, 48422), (12, 48332), (13, 48326),

Gene: GirlDinner_77 Start: 48070, Stop: 47876, Start Num: 3

Candidate Starts for GirlDinner_77:

(Start: 3 @48070 has 11 MA's), (8, 47986), (9, 47962), (10, 47935), (12, 47890), (13, 47884),

Gene: Janus_75 Start: 48407, Stop: 48213, Start Num: 3

Candidate Starts for Janus_75:

(Start: 3 @48407 has 11 MA's), (8, 48323), (9, 48299), (10, 48272), (12, 48227), (13, 48221),

Gene: Jevington_82 Start: 47845, Stop: 47657, Start Num: 3

Candidate Starts for Jevington_82:

(Start: 3 @47845 has 11 MA's), (6, 47797), (7, 47788), (8, 47764), (11, 47707), (12, 47674),

Gene: Loofah_82 Start: 49657, Stop: 49469, Start Num: 3

Candidate Starts for Loofah_82:

(Start: 3 @49657 has 11 MA's), (6, 49609), (7, 49600), (8, 49576), (11, 49519), (13, 49480),

Gene: Marav_77 Start: 47854, Stop: 47666, Start Num: 3

Candidate Starts for Marav_77:

(Start: 3 @47854 has 11 MA's), (6, 47806), (7, 47797), (8, 47773), (11, 47716), (12, 47683),

Gene: Paedore_79 Start: 49826, Stop: 49638, Start Num: 3

Candidate Starts for Paedore_79:

(Start: 3 @49826 has 11 MA's), (6, 49778), (7, 49769), (8, 49745), (11, 49688), (13, 49649),

Gene: Paolo_81 Start: 48658, Stop: 48470, Start Num: 3

Candidate Starts for Paolo_81:

(Start: 3 @48658 has 11 MA's), (6, 48610), (7, 48601), (8, 48577), (11, 48520), (12, 48487),

Gene: Puginator_87 Start: 48729, Stop: 48541, Start Num: 3

Candidate Starts for Puginator_87:

(Start: 3 @48729 has 11 MA's), (6, 48681), (7, 48672), (8, 48648), (11, 48591), (12, 48558),

Gene: SqueakyClean_75 Start: 48584, Stop: 48390, Start Num: 3

Candidate Starts for SqueakyClean_75:

(Start: 3 @48584 has 11 MA's), (8, 48500), (9, 48476), (10, 48449), (12, 48404), (13, 48398),

Gene: Superstar_82 Start: 47983, Stop: 47795, Start Num: 3

Candidate Starts for Superstar_82:

(1, 48037), (2, 48016), (Start: 3 @47983 has 11 MA's), (6, 47935), (8, 47902), (11, 47845), (12, 47812), (13, 47806),

Gene: TrvxScott_77 Start: 49957, Stop: 49772, Start Num: 3

Candidate Starts for TrvxScott_77:

(Start: 3 @49957 has 11 MA's), (7, 49900), (8, 49876), (11, 49819), (12, 49786),

Gene: Zainub_85 Start: 48838, Stop: 48650, Start Num: 3

Candidate Starts for Zainub_85:

(Start: 3 @48838 has 11 MA's), (6, 48790), (7, 48781), (8, 48757), (11, 48700), (12, 48667),