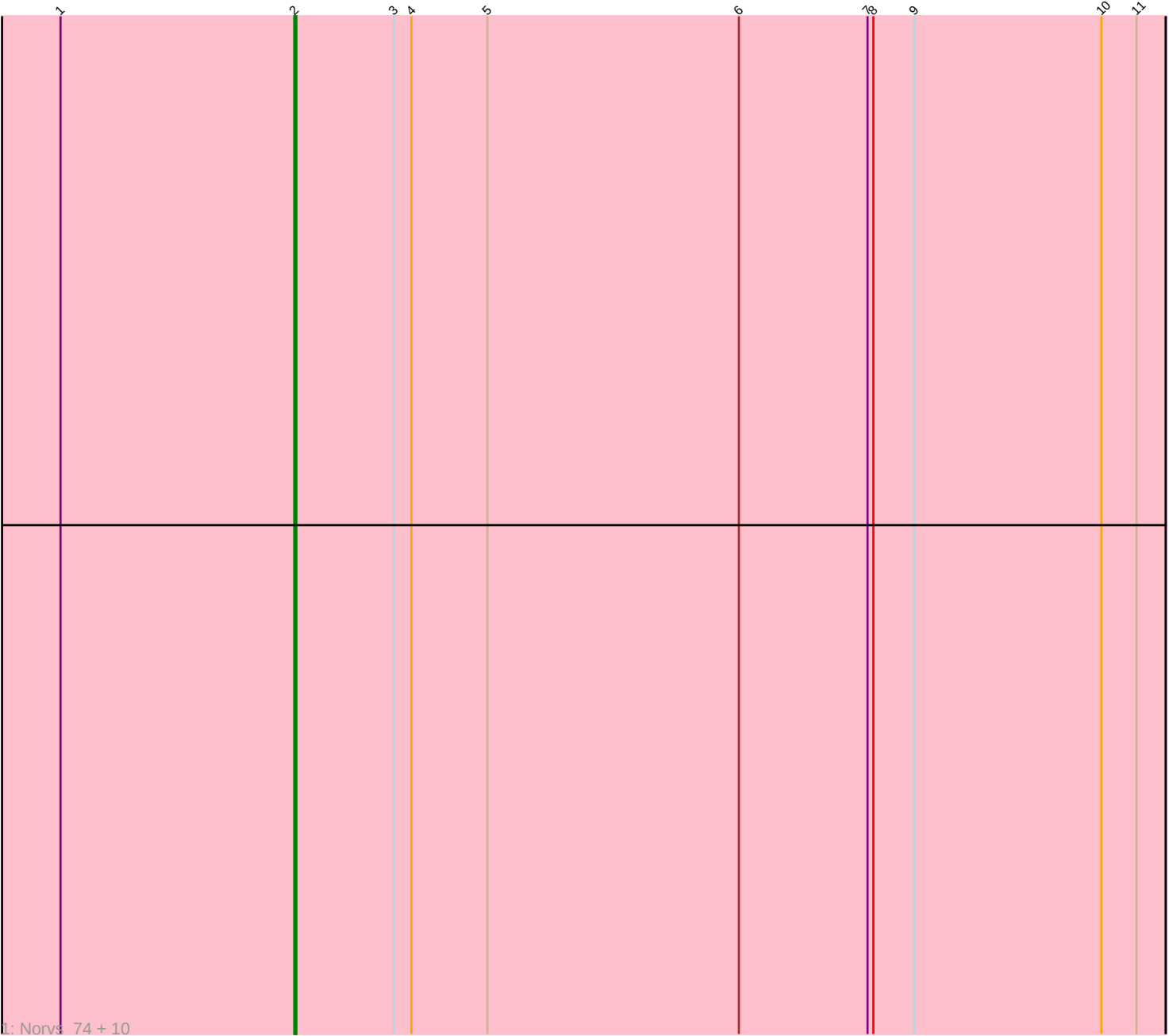




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 251101 Report

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

Pham number 251101 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Norvs_74, PhinkBoden_73, Bachita_75, Lozinak_74, Abscondus_73, Smoothie_75, Engineer_75, Cucurbita_75, Geeche_72, Aphelion_73, Toniann_74

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abscondus_73, Aphelion_73, Bachita_75, Cucurbita_75, Engineer_75, Geeche_72, Lozinak_74, Norvs_74, PhinkBoden_73, Smoothie_75, Toniann_74,

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 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_73 (CQ1), Aphelion_73 (CQ1), Bachita_75 (CQ1), Cucurbita_75 (CQ1), Engineer_75 (CQ1), Geeche_72 (CQ1), Lozinak_74 (CQ1), Norvs_74 (CQ1), PhinkBoden_73 (CQ1), Smoothie_75 (CQ1), Toniann_74 (CQ1),

Summary by clusters:

There is one cluster represented in this pham: CQ1

Info for manual annotations of cluster CQ1:

- Start number 2 was manually annotated 10 times for cluster CQ1.

Gene Information:

Gene: Abscondus_73 Start: 47749, Stop: 48195, Start Num: 2

Candidate Starts for Abscondus_73:

(1, 47629), (Start: 2 @47749 has 10 MA's), (3, 47800), (4, 47809), (5, 47848), (6, 47977), (7, 48043), (8, 48046), (9, 48067), (10, 48163), (11, 48181),

Gene: Aphelion_73 Start: 48371, Stop: 48817, Start Num: 2

Candidate Starts for Aphelion_73:

(1, 48251), (Start: 2 @48371 has 10 MA's), (3, 48422), (4, 48431), (5, 48470), (6, 48599), (7, 48665), (8, 48668), (9, 48689), (10, 48785), (11, 48803),

Gene: Bachita_75 Start: 48796, Stop: 49242, Start Num: 2

Candidate Starts for Bachita_75:

(1, 48676), (Start: 2 @48796 has 10 MA's), (3, 48847), (4, 48856), (5, 48895), (6, 49024), (7, 49090), (8, 49093), (9, 49114), (10, 49210), (11, 49228),

Gene: Cucurbita_75 Start: 49303, Stop: 49749, Start Num: 2

Candidate Starts for Cucurbita_75:

(1, 49183), (Start: 2 @49303 has 10 MA's), (3, 49354), (4, 49363), (5, 49402), (6, 49531), (7, 49597), (8, 49600), (9, 49621), (10, 49717), (11, 49735),

Gene: Engineer_75 Start: 48769, Stop: 49215, Start Num: 2

Candidate Starts for Engineer_75:

(1, 48649), (Start: 2 @48769 has 10 MA's), (3, 48820), (4, 48829), (5, 48868), (6, 48997), (7, 49063), (8, 49066), (9, 49087), (10, 49183), (11, 49201),

Gene: Geeche_72 Start: 47833, Stop: 48279, Start Num: 2

Candidate Starts for Geeche_72:

(1, 47713), (Start: 2 @47833 has 10 MA's), (3, 47884), (4, 47893), (5, 47932), (6, 48061), (7, 48127), (8, 48130), (9, 48151), (10, 48247), (11, 48265),

Gene: Lozinak_74 Start: 48607, Stop: 49053, Start Num: 2

Candidate Starts for Lozinak_74:

(1, 48487), (Start: 2 @48607 has 10 MA's), (3, 48658), (4, 48667), (5, 48706), (6, 48835), (7, 48901), (8, 48904), (9, 48925), (10, 49021), (11, 49039),

Gene: Norvs_74 Start: 48016, Stop: 48462, Start Num: 2

Candidate Starts for Norvs_74:

(1, 47896), (Start: 2 @48016 has 10 MA's), (3, 48067), (4, 48076), (5, 48115), (6, 48244), (7, 48310), (8, 48313), (9, 48334), (10, 48430), (11, 48448),

Gene: PhinkBoden_73 Start: 48397, Stop: 48843, Start Num: 2

Candidate Starts for PhinkBoden_73:

(1, 48277), (Start: 2 @48397 has 10 MA's), (3, 48448), (4, 48457), (5, 48496), (6, 48625), (7, 48691), (8, 48694), (9, 48715), (10, 48811), (11, 48829),

Gene: Smoothie_75 Start: 48607, Stop: 49053, Start Num: 2

Candidate Starts for Smoothie_75:

(1, 48487), (Start: 2 @48607 has 10 MA's), (3, 48658), (4, 48667), (5, 48706), (6, 48835), (7, 48901),
(8, 48904), (9, 48925), (10, 49021), (11, 49039),

Gene: Toniann_74 Start: 47959, Stop: 48405, Start Num: 2

Candidate Starts for Toniann_74:

(1, 47839), (Start: 2 @47959 has 10 MA's), (3, 48010), (4, 48019), (5, 48058), (6, 48187), (7, 48253),
(8, 48256), (9, 48277), (10, 48373), (11, 48391),