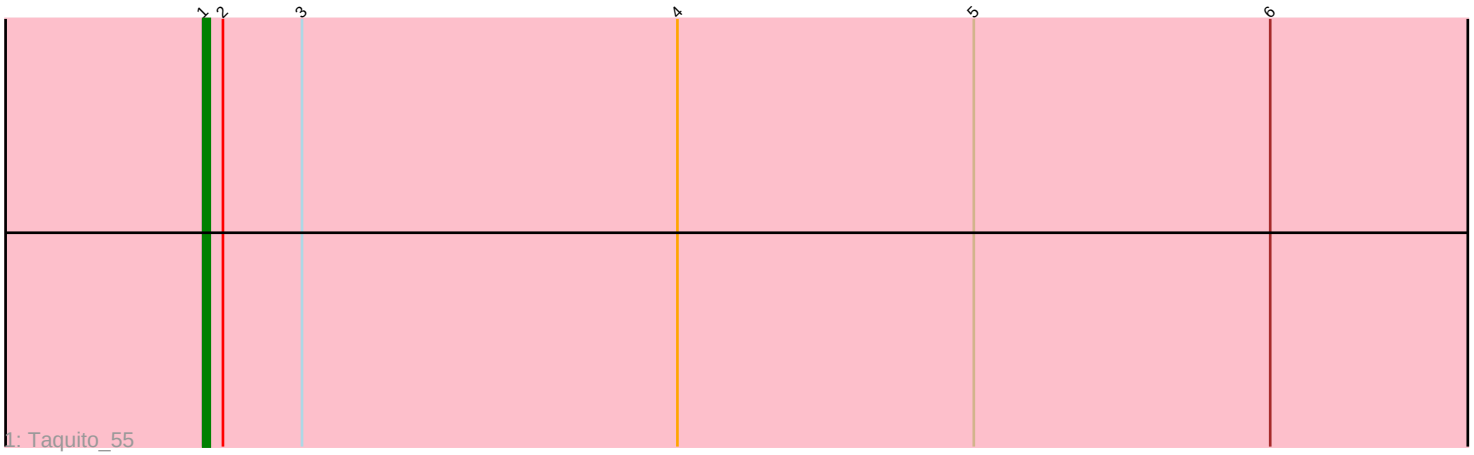
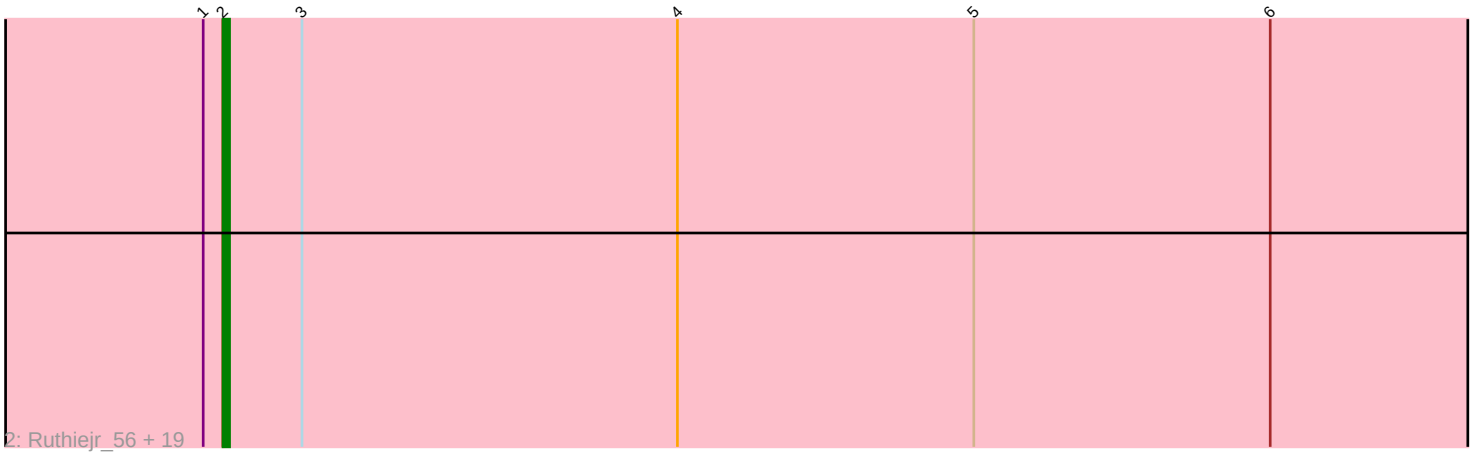
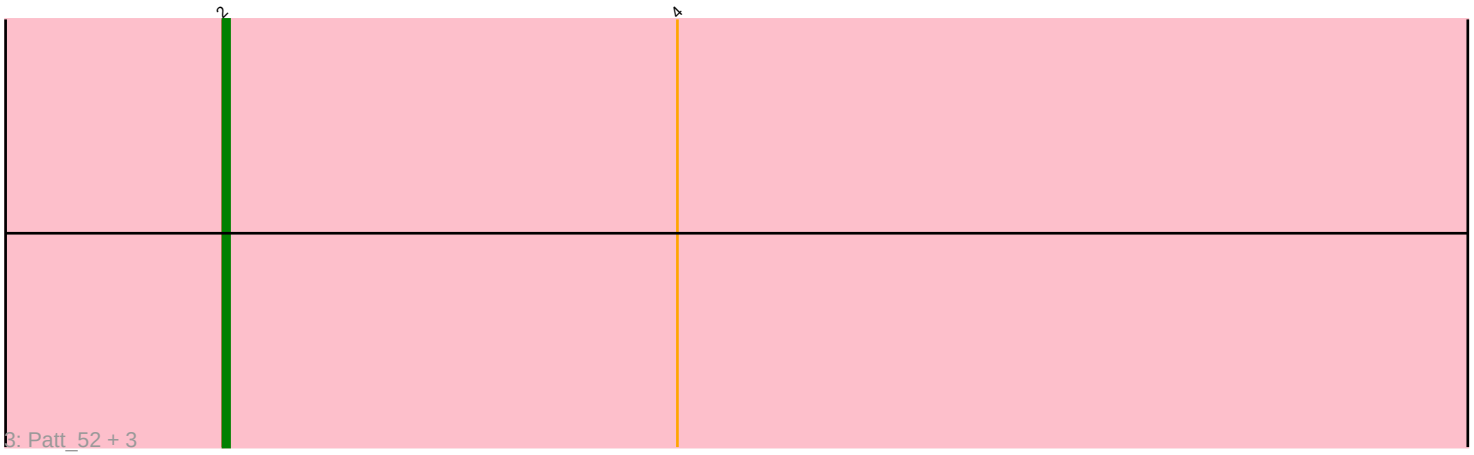
# Pham 288167



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 288167 Report

This analysis was run 03/28/26 on database version 641.

Pham number 288167 has 25 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Taquito_55
• Track 2 : Ruthiejr_56, Malthus_56, Y10_54, Lebo14_54, Mitti_55, Fionnbharth_55, Slarp_55, Y2_54, JF1_55, DanSyl44_58, Wintermute_55, Qhanda_57, Juliette_57, YasnayaPolyana_55, Kraw_55, Cheetobro_55, OmniCritical_54, SamScheppers_53, Chancellor_55, Eponine_57
• Track 3 : Patt_52, Bobquesha_57, MissDaisy_53, Reptar3000_53

***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 21 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bobquesha_57, Chancellor_55, Cheetobro_55, DanSyl44_58, Eponine_57, Fionnbharth_55, JF1_55, Juliette_57, Kraw_55, Lebo14_54, Malthus_56, MissDaisy_53, Mitti_55, OmniCritical_54, Patt_52, Qhanda_57, Reptar3000_53, Ruthiejr_56, SamScheppers_53, Slarp_55, Wintermute_55, Y10_54, Y2_54, YasnayaPolyana_55,

Genes that have the "Most Annotated" start but do not call it:
• Taquito_55,

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

**Summary by start number:**

Start 1:
• Found in 21 of 25 ( 84.0% ) of genes in pham
• Manual Annotations of this start: 1 of 22
• Called 4.8% of time when present
• Phage (with cluster) where this start called: Taquito_55 (K4),

Start 2:

• Found in 25 of 25 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 21 of 22
• Called 96.0% of time when present
• Phage (with cluster) where this start called: Bobquesha_57 (K4), Chancellor_55 (K4), Cheetobro_55 (K4), DanSyl44_58 (K4), Eponine_57 (K4), Fionnbharth_55 (K4), JF1_55 (K4), Juliette_57 (K4), Kraw_55 (K4), Lebo14_54 (K4), Malthus_56 (K4), MissDaisy_53 (K4), Mitti_55 (K4), OmniCritical_54 (K4), Patt_52 (K4), Qhanda_57 (K4), Reptar3000_53 (K4), Ruthiejr_56 (K4), SamScheppers_53 (K4), Slarp_55 (K4), Wintermute_55 (K4), Y10_54 (K4), Y2_54 (K4), YasnayaPolyana_55 (K4),

**Summary by clusters:**

There is one cluster represented in this pham: K4

Info for manual annotations of cluster K4:
•Start number 1 was manually annotated 1 time for cluster K4.
•Start number 2 was manually annotated 21 times for cluster K4.

***Gene Information:***

Gene: Bobquesha_57 Start: 37478, Stop: 37717, Start Num: 2
Candidate Starts for Bobquesha_57:
(Start: 2 @37478 has 21 MA's), (4, 37547),

Gene: Chancellor_55 Start: 37968, Stop: 38207, Start Num: 2
Candidate Starts for Chancellor_55:
(Start: 1 @37965 has 1 MA's), (Start: 2 @37968 has 21 MA's), (3, 37980), (4, 38037), (5, 38082), (6, 38127),

Gene: Cheetobro_55 Start: 37965, Stop: 38204, Start Num: 2
Candidate Starts for Cheetobro_55:
(Start: 1 @37962 has 1 MA's), (Start: 2 @37965 has 21 MA's), (3, 37977), (4, 38034), (5, 38079), (6, 38124),

Gene: DanSyl44_58 Start: 39093, Stop: 39332, Start Num: 2
Candidate Starts for DanSyl44_58:
(Start: 1 @39090 has 1 MA's), (Start: 2 @39093 has 21 MA's), (3, 39105), (4, 39162), (5, 39207), (6, 39252),

Gene: Eponine_57 Start: 38805, Stop: 39044, Start Num: 2
Candidate Starts for Eponine_57:
(Start: 1 @38802 has 1 MA's), (Start: 2 @38805 has 21 MA's), (3, 38817), (4, 38874), (5, 38919), (6, 38964),

Gene: Fionnbharth_55 Start: 38203, Stop: 38442, Start Num: 2
Candidate Starts for Fionnbharth_55:
(Start: 1 @38200 has 1 MA's), (Start: 2 @38203 has 21 MA's), (3, 38215), (4, 38272), (5, 38317), (6, 38362),

Gene: JF1_55 Start: 38120, Stop: 38359, Start Num: 2
Candidate Starts for JF1_55:

(Start: 1 @38117 has 1 MA's), (Start: 2 @38120 has 21 MA's), (3, 38132), (4, 38189), (5, 38234), (6, 38279),

Gene: Juliette_57 Start: 38273, Stop: 38512, Start Num: 2
Candidate Starts for Juliette_57:
(Start: 1 @38270 has 1 MA's), (Start: 2 @38273 has 21 MA's), (3, 38285), (4, 38342), (5, 38387), (6, 38432),

Gene: Kraw_55 Start: 37961, Stop: 38200, Start Num: 2
Candidate Starts for Kraw_55:
(Start: 1 @37958 has 1 MA's), (Start: 2 @37961 has 21 MA's), (3, 37973), (4, 38030), (5, 38075), (6, 38120),

Gene: Lebo14_54 Start: 38228, Stop: 38467, Start Num: 2
Candidate Starts for Lebo14_54:
(Start: 1 @38225 has 1 MA's), (Start: 2 @38228 has 21 MA's), (3, 38240), (4, 38297), (5, 38342), (6, 38387),

Gene: Malthus_56 Start: 37961, Stop: 38200, Start Num: 2
Candidate Starts for Malthus_56:
(Start: 1 @37958 has 1 MA's), (Start: 2 @37961 has 21 MA's), (3, 37973), (4, 38030), (5, 38075), (6, 38120),

Gene: MissDaisy_53 Start: 37493, Stop: 37732, Start Num: 2
Candidate Starts for MissDaisy_53:
(Start: 2 @37493 has 21 MA's), (4, 37562),

Gene: Mitti_55 Start: 38140, Stop: 38379, Start Num: 2
Candidate Starts for Mitti_55:
(Start: 1 @38137 has 1 MA's), (Start: 2 @38140 has 21 MA's), (3, 38152), (4, 38209), (5, 38254), (6, 38299),

Gene: OmniCritical_54 Start: 37949, Stop: 38188, Start Num: 2
Candidate Starts for OmniCritical_54:
(Start: 1 @37946 has 1 MA's), (Start: 2 @37949 has 21 MA's), (3, 37961), (4, 38018), (5, 38063), (6, 38108),

Gene: Patt_52 Start: 37217, Stop: 37456, Start Num: 2
Candidate Starts for Patt_52:
(Start: 2 @37217 has 21 MA's), (4, 37286),

Gene: Qhanda_57 Start: 37977, Stop: 38216, Start Num: 2
Candidate Starts for Qhanda_57:
(Start: 1 @37974 has 1 MA's), (Start: 2 @37977 has 21 MA's), (3, 37989), (4, 38046), (5, 38091), (6, 38136),

Gene: Reptar3000_53 Start: 37205, Stop: 37444, Start Num: 2
Candidate Starts for Reptar3000_53:
(Start: 2 @37205 has 21 MA's), (4, 37274),

Gene: Ruthiejr_56 Start: 38011, Stop: 38250, Start Num: 2
Candidate Starts for Ruthiejr_56:

(Start: 1 @38008 has 1 MA's), (Start: 2 @38011 has 21 MA's), (3, 38023), (4, 38080), (5, 38125), (6, 38170),

Gene: SamScheppers_53 Start: 38440, Stop: 38679, Start Num: 2
Candidate Starts for SamScheppers_53:
(Start: 1 @38437 has 1 MA's), (Start: 2 @38440 has 21 MA's), (3, 38452), (4, 38509), (5, 38554), (6, 38599),

Gene: Slarp_55 Start: 37968, Stop: 38207, Start Num: 2
Candidate Starts for Slarp_55:
(Start: 1 @37965 has 1 MA's), (Start: 2 @37968 has 21 MA's), (3, 37980), (4, 38037), (5, 38082), (6, 38127),

Gene: Taquito_55 Start: 38293, Stop: 38535, Start Num: 1
Candidate Starts for Taquito_55:
(Start: 1 @38293 has 1 MA's), (Start: 2 @38296 has 21 MA's), (3, 38308), (4, 38365), (5, 38410), (6, 38455),

Gene: Wintermute_55 Start: 38198, Stop: 38437, Start Num: 2
Candidate Starts for Wintermute_55:
(Start: 1 @38195 has 1 MA's), (Start: 2 @38198 has 21 MA's), (3, 38210), (4, 38267), (5, 38312), (6, 38357),

Gene: Y10_54 Start: 38120, Stop: 38359, Start Num: 2
Candidate Starts for Y10_54:
(Start: 1 @38117 has 1 MA's), (Start: 2 @38120 has 21 MA's), (3, 38132), (4, 38189), (5, 38234), (6, 38279),

Gene: Y2_54 Start: 38120, Stop: 38359, Start Num: 2
Candidate Starts for Y2_54:
(Start: 1 @38117 has 1 MA's), (Start: 2 @38120 has 21 MA's), (3, 38132), (4, 38189), (5, 38234), (6, 38279),

Gene: YasnayaPolyana_55 Start: 38051, Stop: 38290, Start Num: 2
Candidate Starts for YasnayaPolyana_55:
(Start: 1 @38048 has 1 MA's), (Start: 2 @38051 has 21 MA's), (3, 38063), (4, 38120), (5, 38165), (6, 38210),